

Mathematics

By a group of supervisors

PARENTS' GUIDE



معك
Ma3ak App

Interactive E-learning
Application



Part 2

DISCOVER



1st Primary
2023
FIRST TERM

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CHAPTER

1



Outcomes and key vocabulary of chapter one :

Lessons 1 & 2

Outcomes :

- Identify the month, day and date.
- Count 3 objects.
- Compare 3 objects by size, shape and color.

Key vocabulary :

- Calendar
- Month
- Day
- Compare
- Same
- Different
- Five frames

Lessons 3 to 6

Outcomes :

- Identify the month, day and date.
- Count 5 objects.
- Count up to 5 using a number line.
- Answer questions about data.
- Count 4 objects.
- Compare 5 objects by size, shape and color.
- Compare quantities.

Key vocabulary :

- Calendar
- Month
- Day
- Compare
- Data
- Graph
- Same
- Different

Lessons 7 to 10

Outcomes :

- Identify the month, day and date.
- Show quantities up to 3 in pictures.
- Write numbers from 0 to 5.
- Arrange numbers from 0 to 5 on the number line.

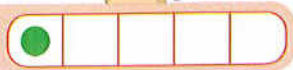
Key vocabulary :

- Month
- Day
- Zero
- Number line
- More
- Less
- Data

Lessons 1 & 2

- Numbers up to 3
- Same / Different

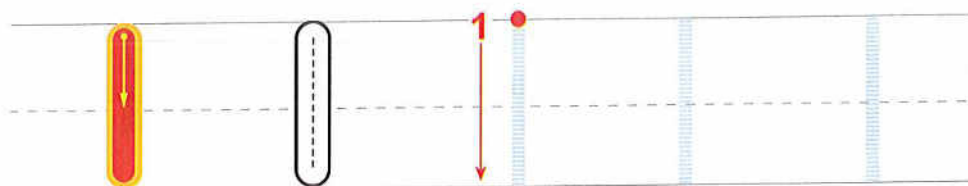
One



Circle the group of 1.



Trace and write.



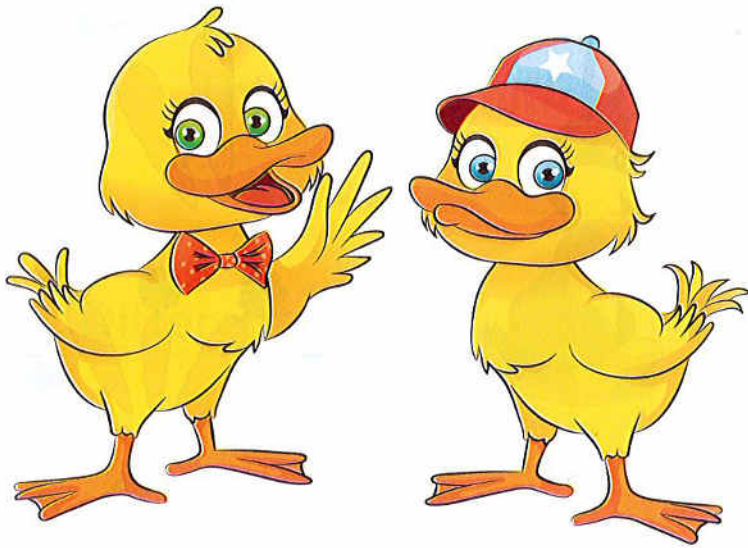
Scan the QR code and enjoy playing with your child.



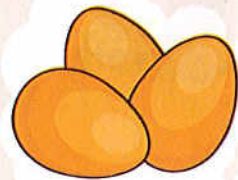
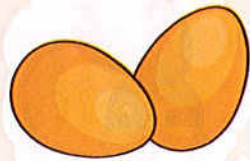
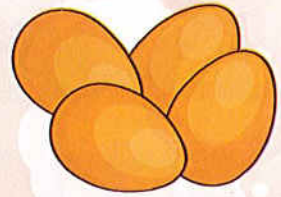
Notes for parents

- Let your child have fun finding things to count at your home.

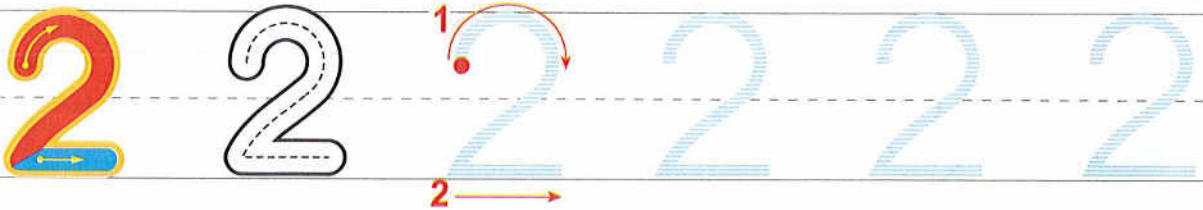
2 Two



Circle the group of 2.



Trace and write.

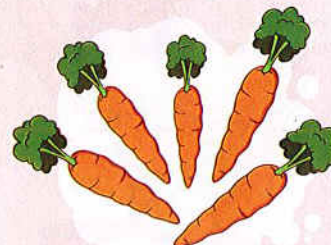
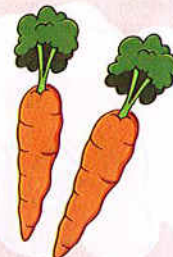
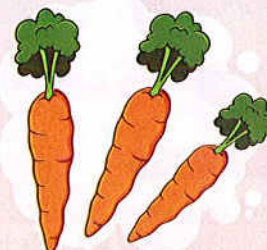


- Fill a container as shoe box with sand and help your child to use his/her finger to write the number 2 in the sand.

3 Three



Circle the group of 3.



Trace and write.



Notes for parents

- Place a sheet of paper on the floor. Let your child dip a finger into a jar of paint and write 3 on the paper.

Same / Different

This  is the **same** as this 

This  is **different** from this 

Different colors



Different sizes



Different shapes



- Ask your child to find 2 items they look like the same in shape, color and size.
- Let your child recognize the differences between the items such as: size, color or shape.

Exercise

1

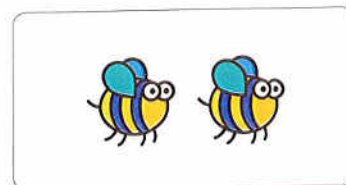
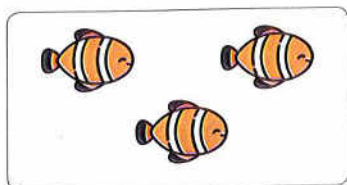
- Numbers up to 3
- Same / Different

On Lessons 1 & 2

Numbers up to 3



Join according to the number.



1

2

3



Circle the group according to the number.

2



3

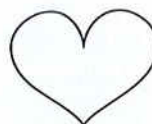
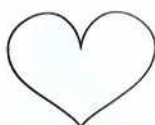


1

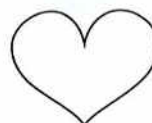


Color s according to the number.

2



1

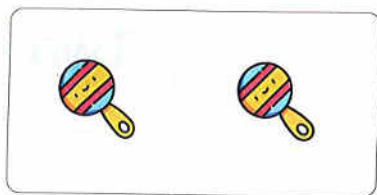


3





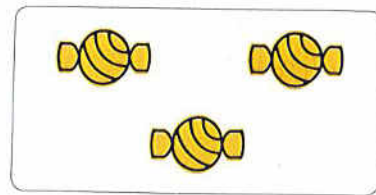
Count. Circle the number.



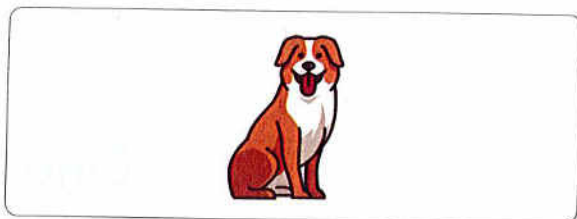
1 2 3



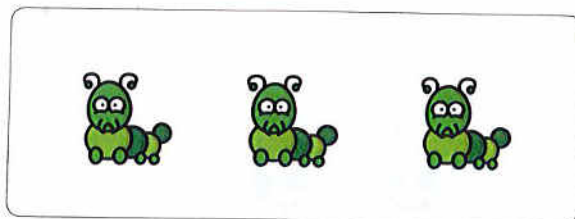
2 3 1



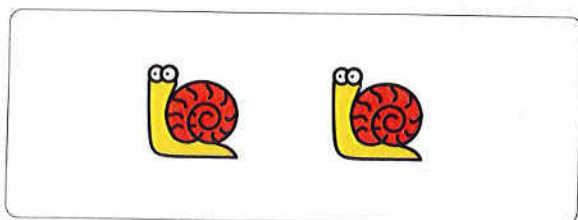
1 3 2



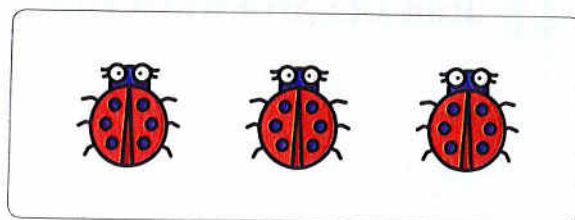
One Two Three



Two One Three



Three One Two



Two Three One



Circle the numbers that are the same as the words.

Two

1

2

3

One

3

1

2

Three

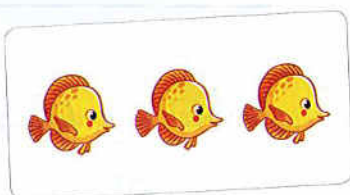
2

3

1



Count. Match.



1

Two



2

Three

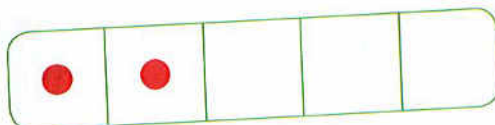


3

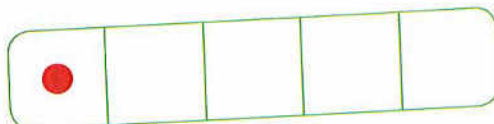
One



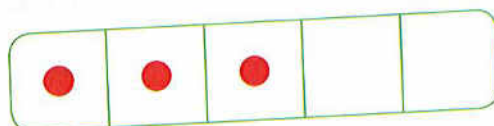
Join according to the raised fingers.



1



2



3



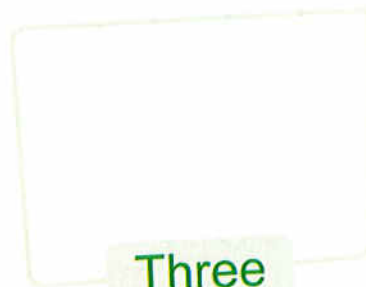
Draw ● according to the number.



Two



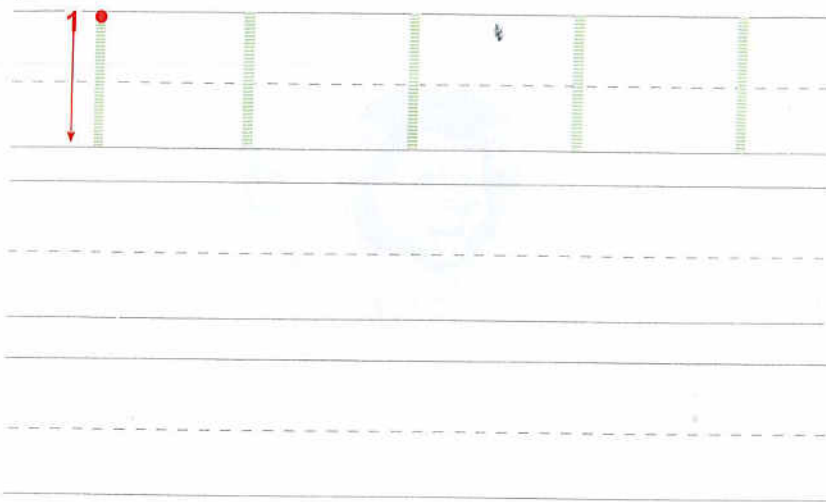
One



Three



Trace and write the number 1.



Trace and write the number 2.



Trace and write the number 3.





How many are there ? Write the numbers.





How many birds are there ? Write the numbers.



Count the raised fingers. Draw dots according to the number. Write the number.



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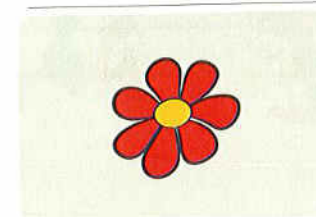
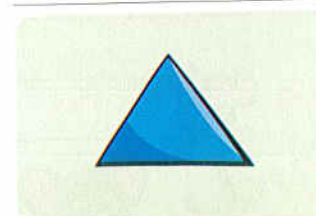
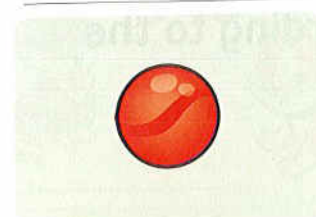


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Same / Different



In each row, circle the picture that is the same as the first one.



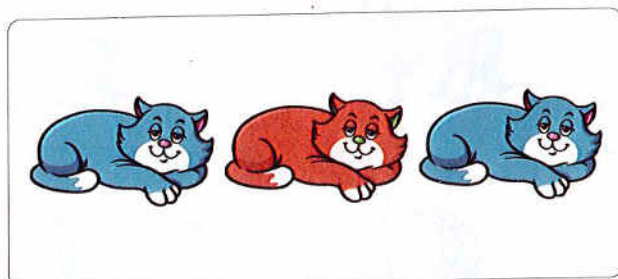
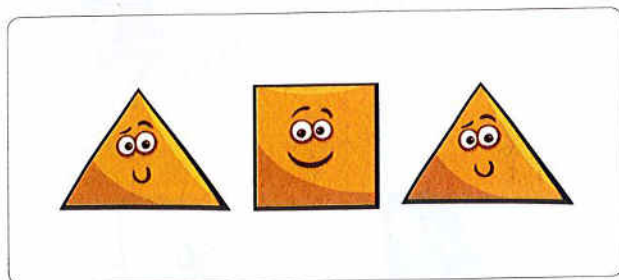
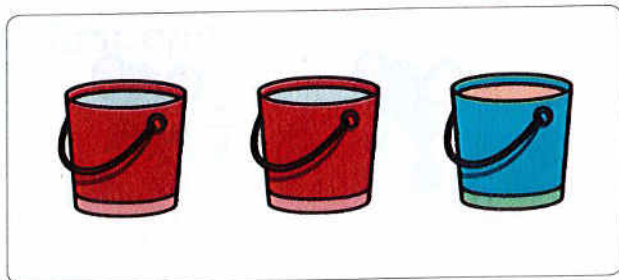


In each row, circle the picture that is different from the first one.

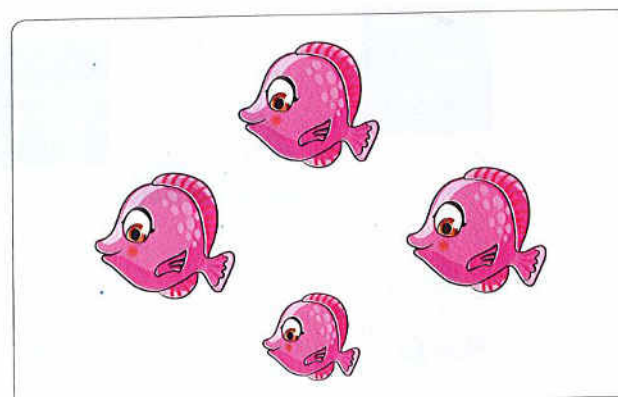
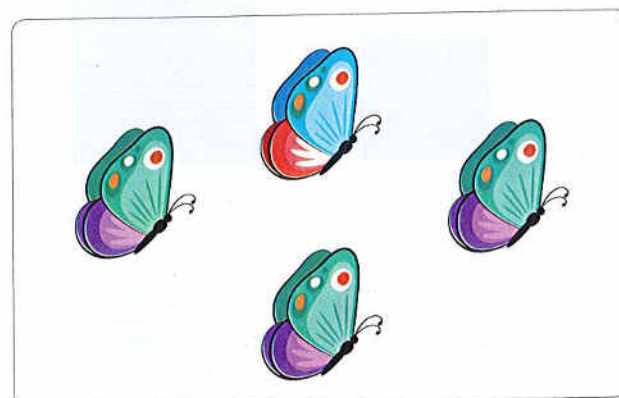
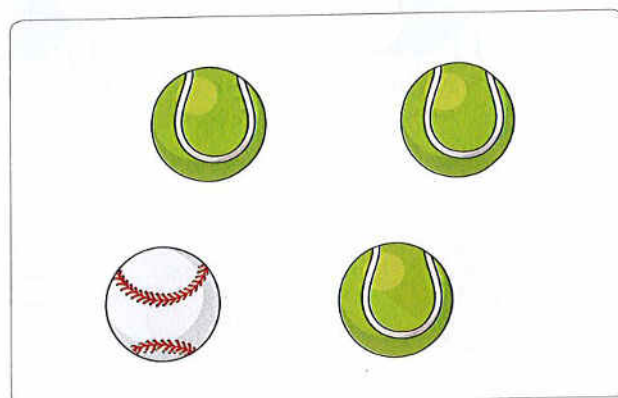
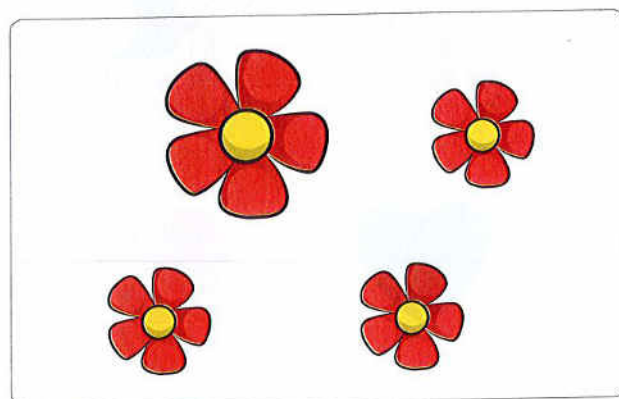




In each group, circle the picture that is different.



In each group, cross out the picture that is different.



Place
a smiley
face

Lessons 3 to 6

- Counting up to 5
- The number line
- Graph

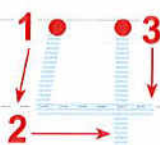
4 Four



Circle the group of 4.



Trace and write.

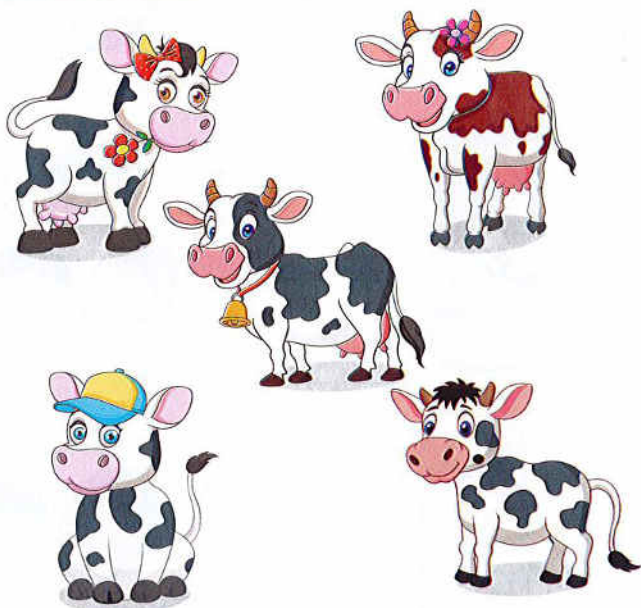


Notes for parents

- Let your child to write 4s in the sand with his/her finger. He/she can drop water from an eye dropper along the 4s to darken the sand numbers.

5

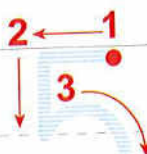
Five



Circle the group of 5.



Trace and write.

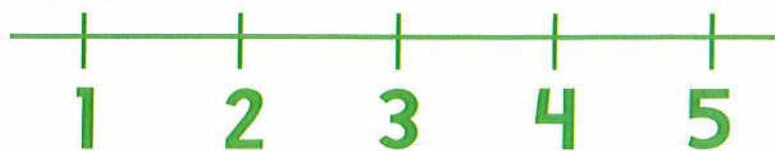


Notes for parents

- Let your child find items at home and ask him/her to collect 4 or 5 of them such as 4 spoons, 5 plastic cups or 5 pencils.

The number line

The number line is a line of numbers that go in order.
The spaces between marks are equal.

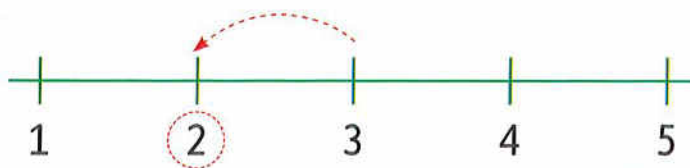


The numbers go greater when counting.

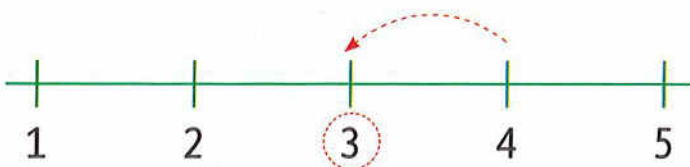
Examples

› From the number line you can notice different data as :

- 2 is one less than 3



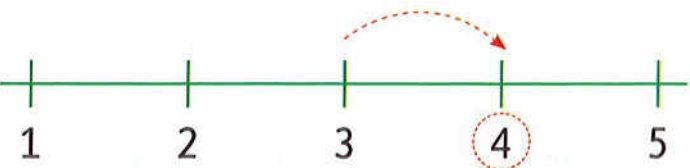
- 3 is one less than 4



- 5 is one more than 4



- 4 is one more than 3



• Ask your child to count in order from 1 to 5.

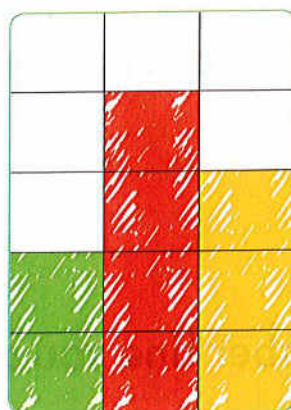
Graph

A graph is a way to show data in a picture.

Data is another word of information.

Graphs are helpful when you want to compare pieces of information.








Example



Each box represents one item.



From the graph, you can read some data as.

- The number of  is 2.
- The number of  is 4.
- The number of  is 3.
- The green apple  is the fewest.
- The red apple  is the most.
- The total number of  and  is 5.



Notes for parents

- Help your child to use graphs to classify objects at home and compare between their numbers.

Exercise 2

- Counting up to 5
- The number line
- Graph

On Lessons 3 to 6

Counting up to 5



Join according to the number.

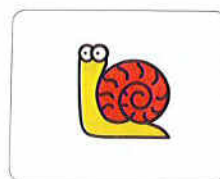
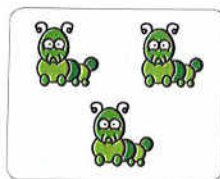
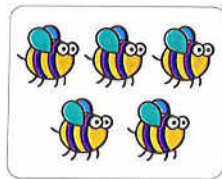
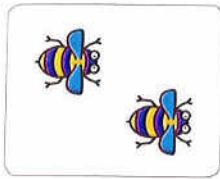
1

2

3

4

5



Join.

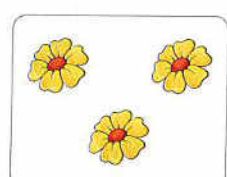
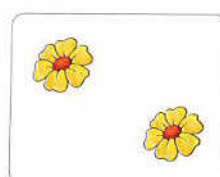
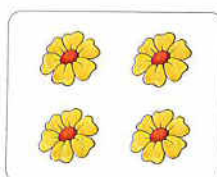
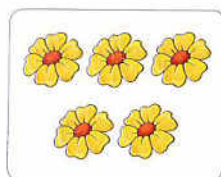
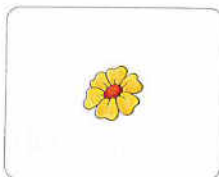
Two

Four

One

Five

Three

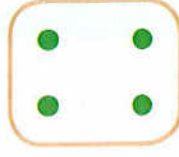
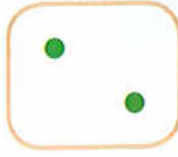
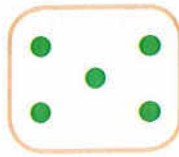
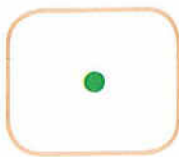
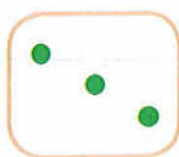


Color 🍎s according to the number.

1					
2					
3					
4					
5					



Count the dots. Match.



1

2

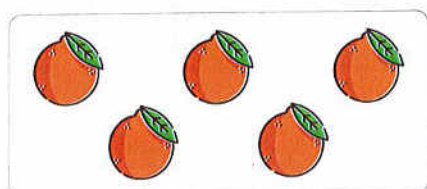
3

4

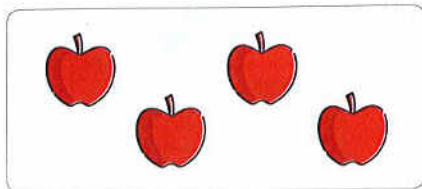
5



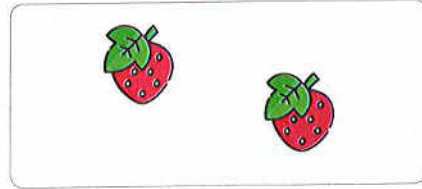
Circle the number according to each group.



2 3 5



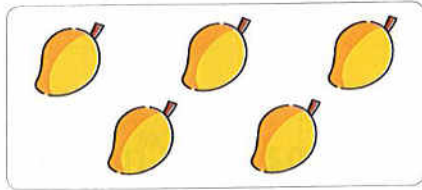
2 4 5



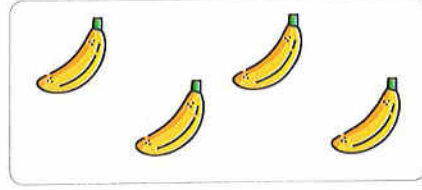
1 2 4



three one four



three four five



three four one



Circle the numbers that are the same as the words.



Five

1

2

3

4

5

Three

1

2

3

4

5

Four

1

2

3

4

5

Two

1

2

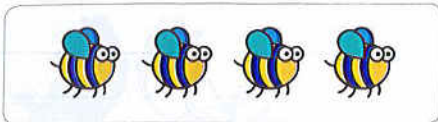
3

4

5



Count. Match.



3

Five



4

Three



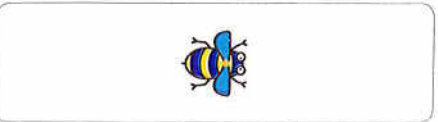
1

One



5

Two



2

Four



Join according to the raised fingers.



1



2



3



4



5



Draw ● according to the number.



Four



One



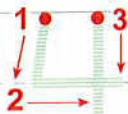
Five



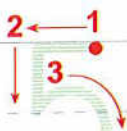
Three



Trace and write the number 4.



Trace and write the number 5.

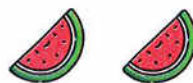




Write the number.







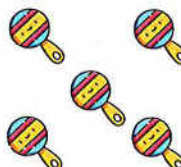














How many fish are there ? Write the number.



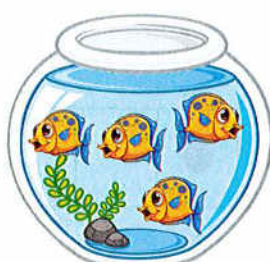
















Count the raised fingers. Draw dots according to the number.
Write the number.



--	--	--	--	--



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Write the number of dots.

•	•			
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•	•	•	•	
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•	•	•	•	•
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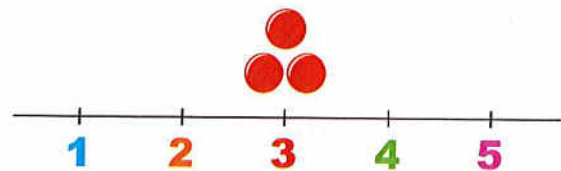
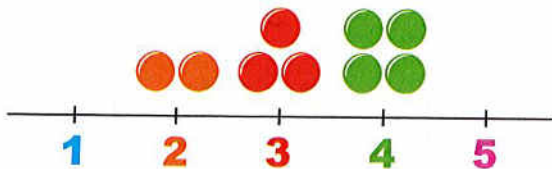
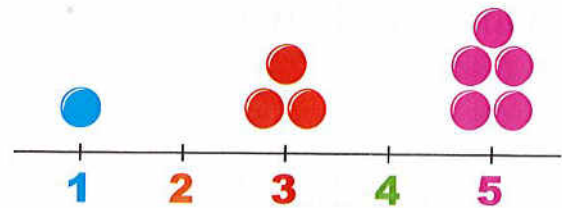
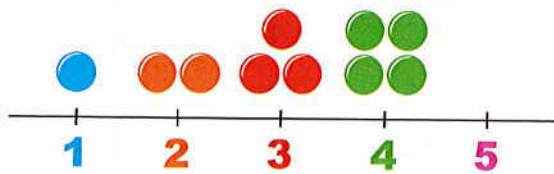
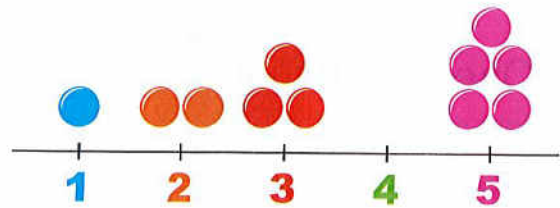
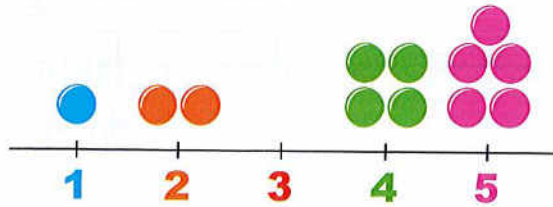
•	•	•		
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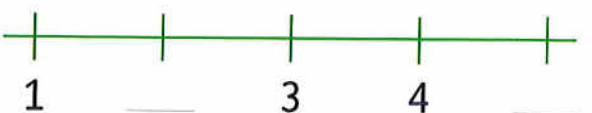
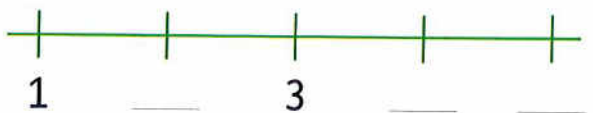
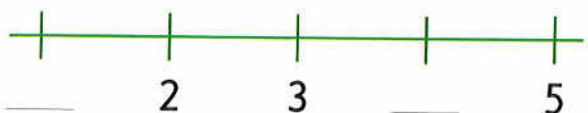
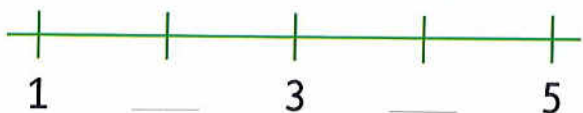
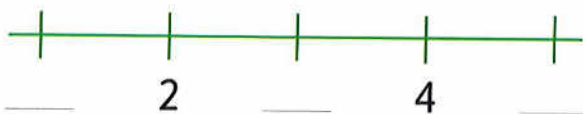
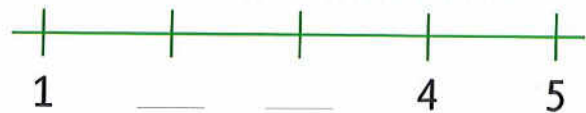
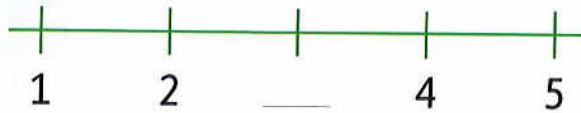
The number line



Draw the missing dots according to its number on each number line.



Write the missing numbers on each number line.



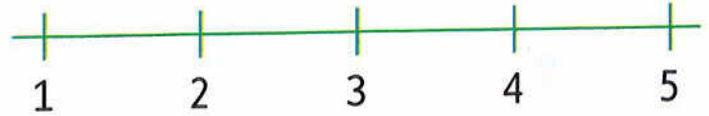


Circle the correct number on the number line.

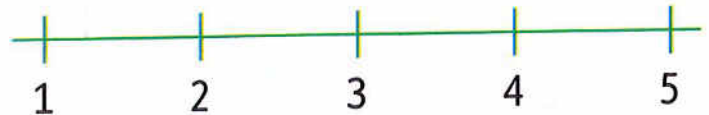
Go **back** one space



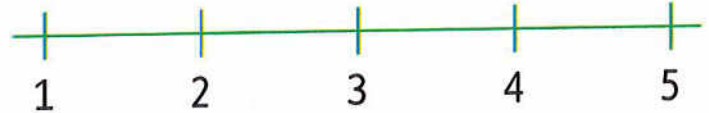
One less than 4



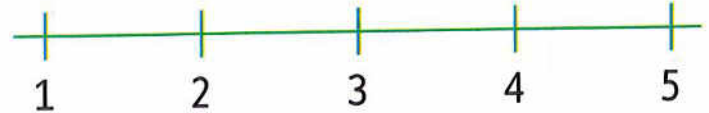
One less than 5



One less than 2



One less than 3

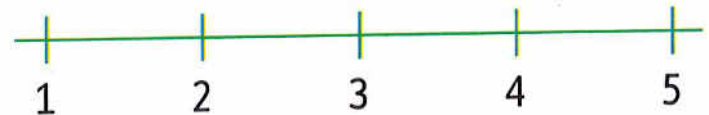


Circle the correct number on the number line.

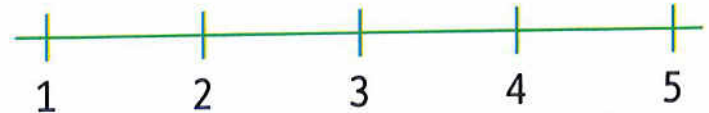
Go **forward** one space



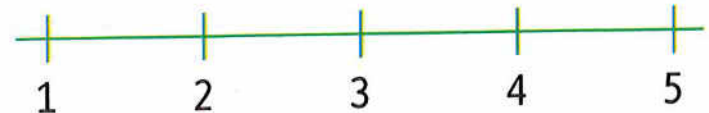
One more than 3



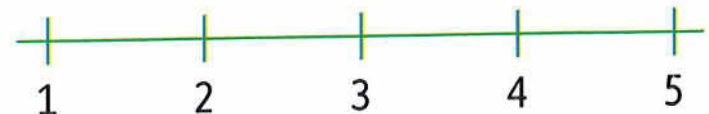
One more than 4



One more than 1



One more than 2



Graph

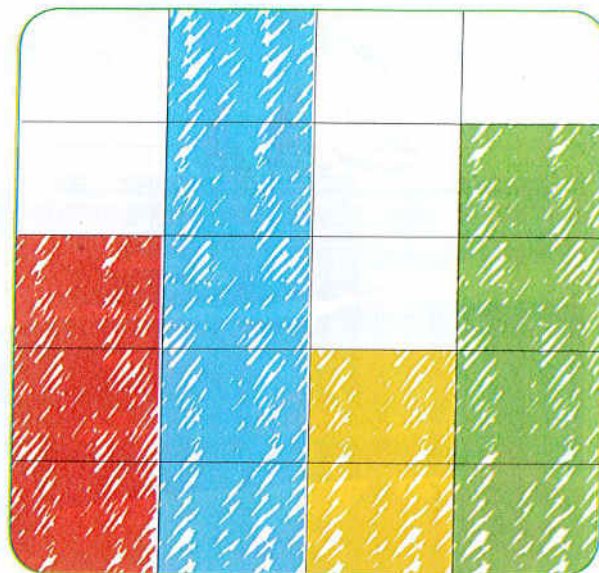


Use the graph to answer the question. Circle the correct answer.

- Which item shows the most ? _____



- Which item shows the fewest ? _____



- How many  are shown ?



3 or 4 or 5

- How many  are shown ?

2 or 3 or 4

- How many  are shown ?

2 or 3 or 4

- How many  and  all together ?

3 or 4 or 5

- How many  are shown ?

3 or 4 or 5



Color to show how many of each item.



Let's collect data



Circle which item there is the most of.



Scan the QR code and enjoy playing with your child.





Color to show how many of each item.





Which item there is the least of? Circle.

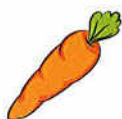


Color to show how many of each item.





Which item there is the most of? Circle.



Place
a smiley
face

Lessons
7 to 10

- Number 0
- Reviewing numbers from 1 to 5

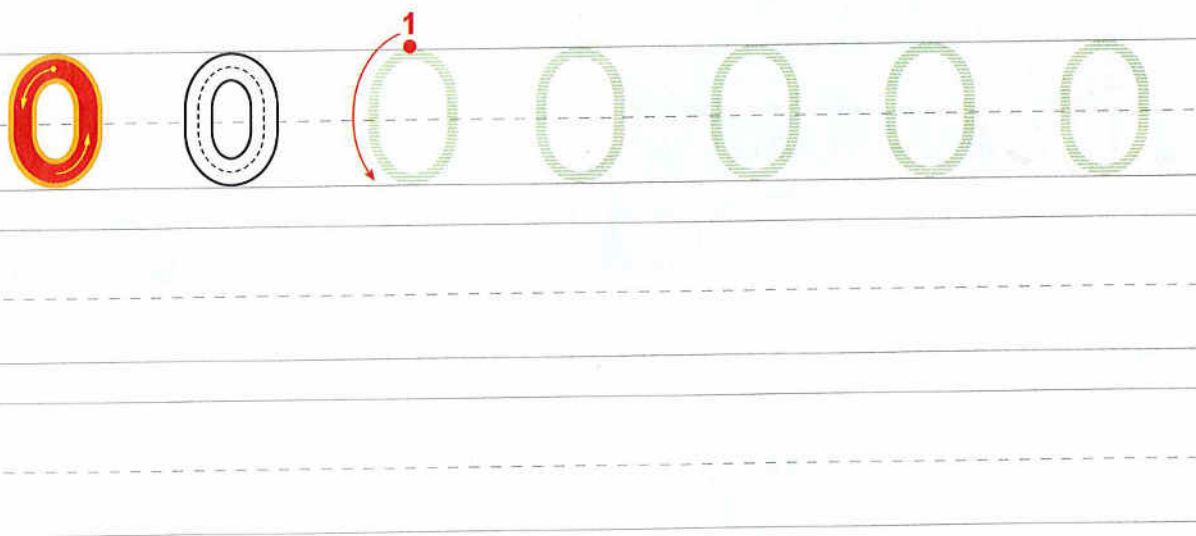
0 Zero



Circle the nest that have 0 birds inside.



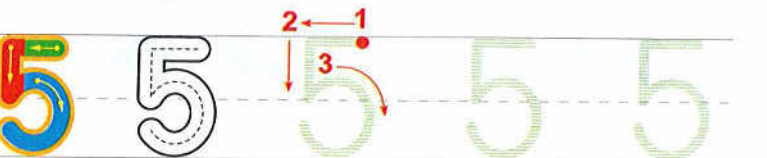
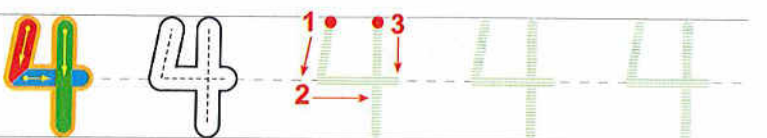
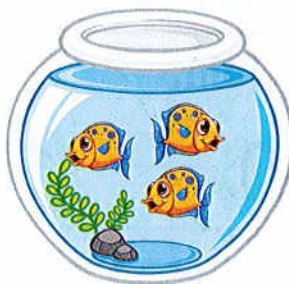
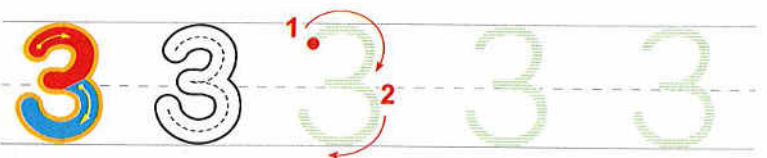
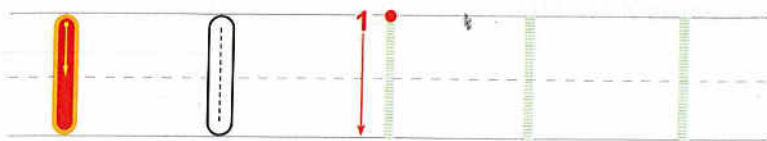
Trace and write.



Notes for parents

- Ask your child to show you a hand with some fingers showing and a hand with zero fingers showing.
- Ask your child to write the number 0 in the air.

Review on writing the numbers from 1 to 5



- Your child can use glue to draw a number from 1 to 5 on a paper and then sprinkle with seeds, rice or macaroni to make raised numbers.

Exercise 3

- Number 0
- Reviewing numbers from 1 to 5

On Lessons 7 to 10



Join.

One

Four

Zero

Two

Five

Three



5

3

0

4

2

1



Join.

0

1

2

3

4

5

Four

Three

Five

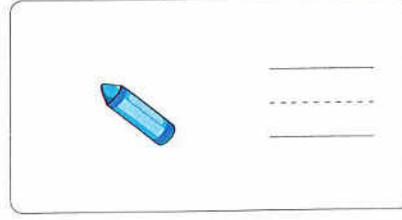
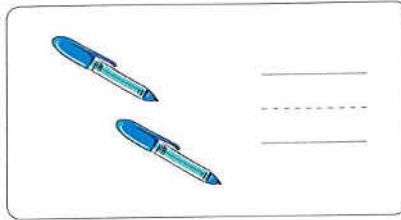
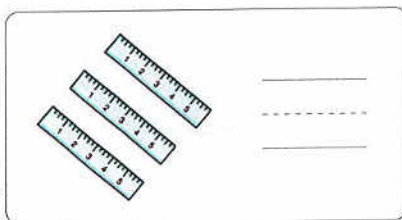
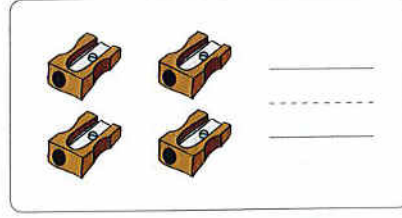
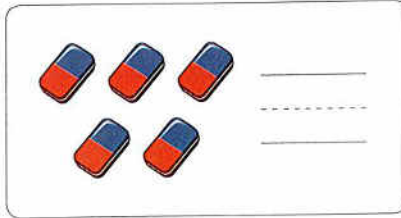
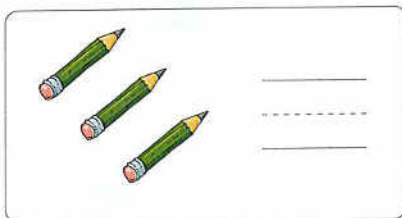
Zero

Two

One

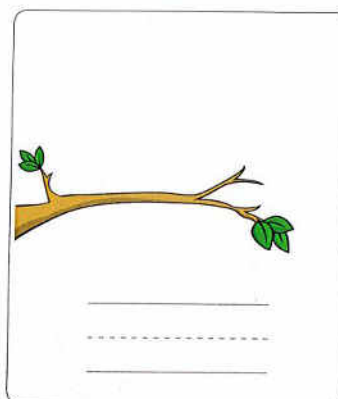


Write the numbers.

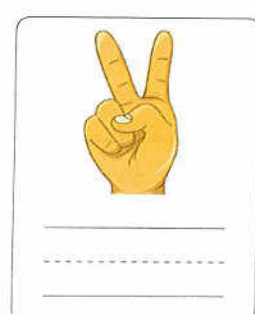
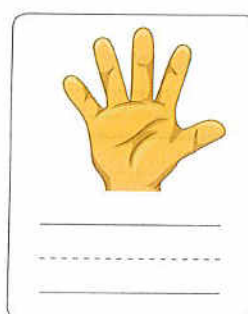
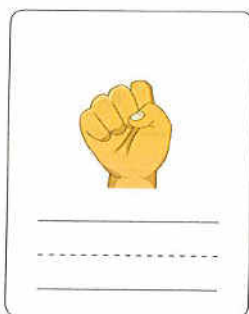
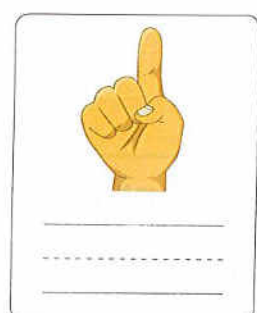
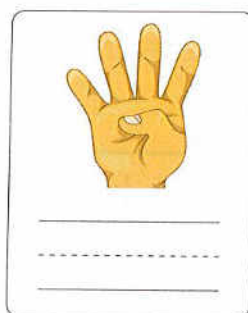
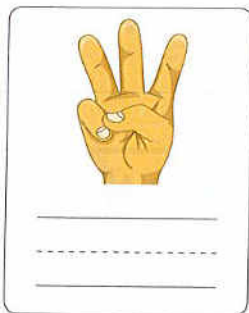




How many birds are there ? Write the numbers.

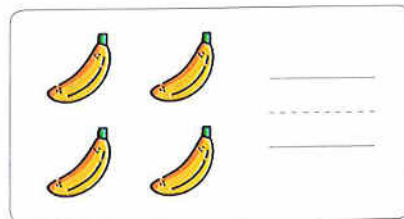
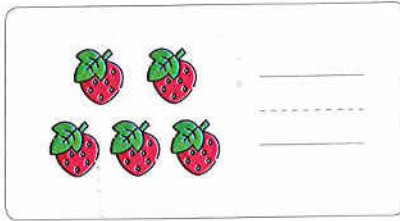
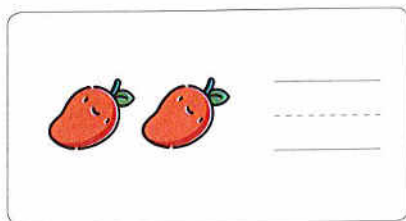
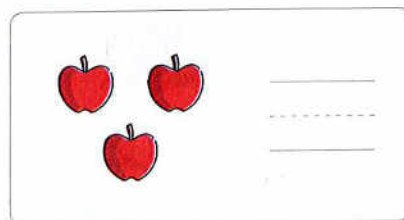
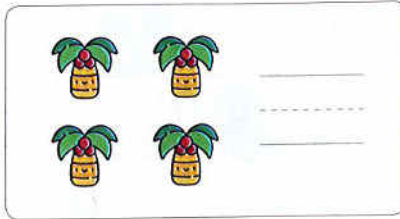
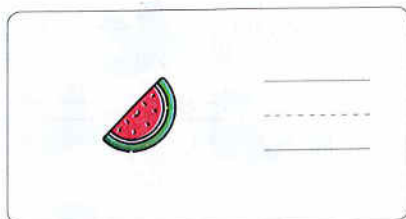


Write the number of raised fingers.





Write the number that shows how many.



Count the number of dots on each hat. Write the number.



Count the number of dots in each frame. Write the number.





Count, color, and then write the number. The first one is done for you.

Four butterflies (two orange, two blue) and four red squares. A box contains the number 4.

Two ladybugs and eight empty boxes for counting.

One snail and eight empty boxes for counting.

Five bees and eight empty boxes for counting.

Three caterpillars and eight empty boxes for counting.

Two ladybugs and eight empty boxes for counting.

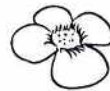
Four bees and eight empty boxes for counting.

Five butterflies and eight empty boxes for counting.



Count. Write the number of each item.











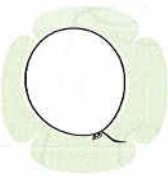


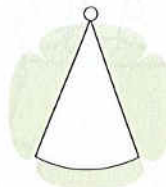






How many ?















Count each set of pictures. Write the number in the boxes below. Color the pictures.



● How many ?



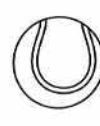














Count and write the number of children.















Discover the differences and choose their number.



1

2






3

4

5



Cross out the extra items to get the written number.
Write the number of items you crossed.

3		Cross out _____ _____
2		_____ _____ _____
1		_____ _____ _____
4		_____ _____ _____
5		_____ _____ _____



Complete drawing ♥ s to get the written number.
Write the number of ♥ s you drew.

<div>4</div> <div>♥</div> <div>_____ _____ _____</div>	<div>2</div> <div>♥ ♥</div> <div>_____ _____ _____</div>	<div>3</div> <div>♥</div> <div>_____ _____ _____</div>
<div>5</div> <div>♥</div> <div>_____ _____ _____</div>	<div>1</div> <div>♥</div> <div>_____ _____ _____</div>	<div>5</div> <div>♥ ♥ ♥</div> <div>_____ _____ _____</div>

Place
a smiley
face



Art corner Chapter 1



Use the color codes to color the parrot.

Red	1
Blue	2
Yellow	3
Green	4
Orange	5





Color the spaces using the color codes.

1 Orange

2 Red

3 Green

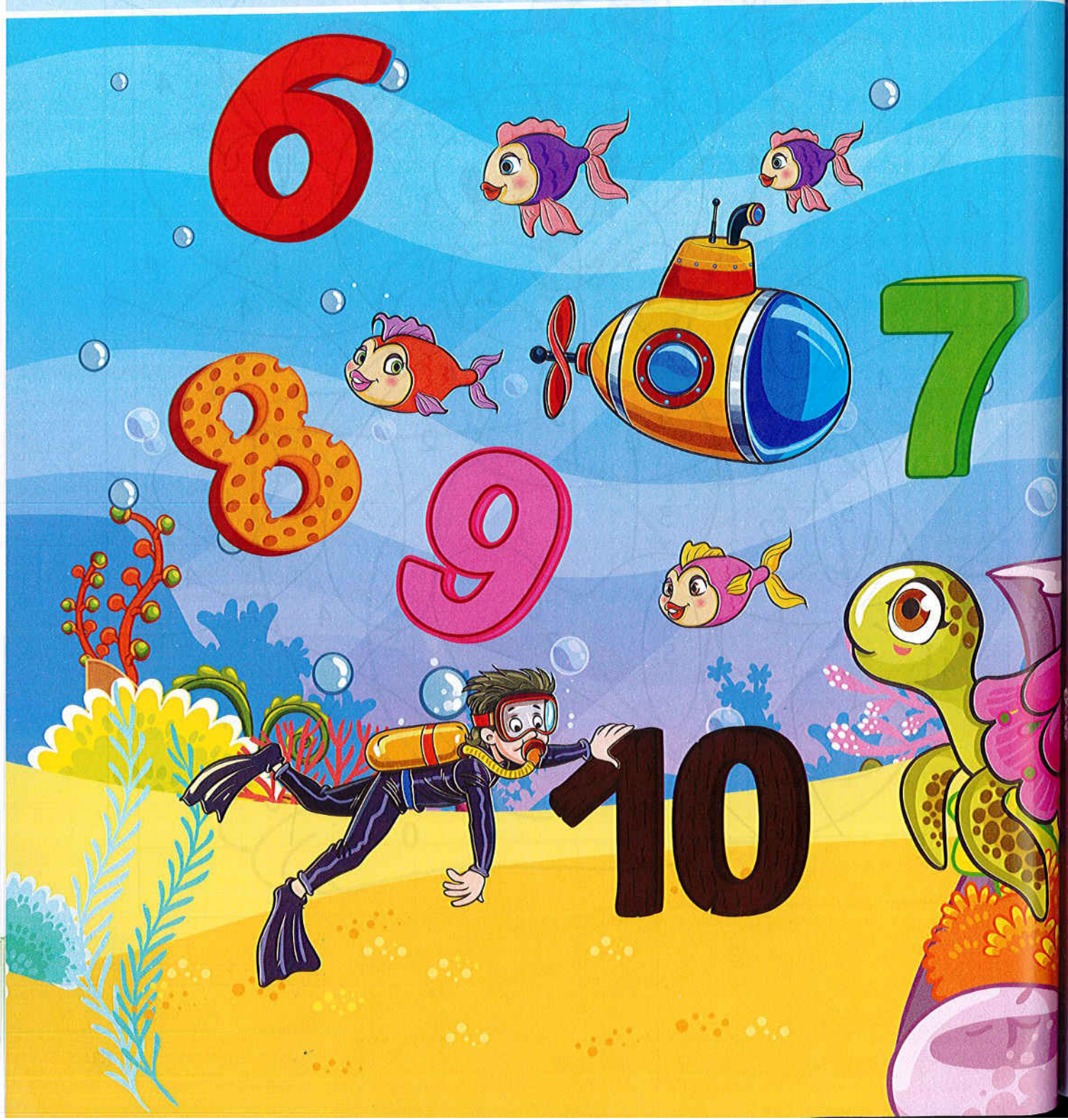
4 Yellow

5 Purple



CHAPTER

2



Outcomes and key vocabulary of chapter two :

Lessons 11 & 12

Outcomes :

- Participate in calendar math activities.
- Write numbers 6 and 7.
- Answer questions about data.
- Count up to 7.
- Represent quantities using pictures.

Key vocabulary :

- Calendar
- Month
- Day
- Data

Lessons 13 to 16

Outcomes :

- Participate in calendar math activities.
- Write numbers 8, 9 and 10.
- Answer questions about data.
- Count up to 10.
- Represent quantities using pictures.

Key vocabulary :

- Calendar
- Month
- Day
- Digit

Lessons 17 & 18

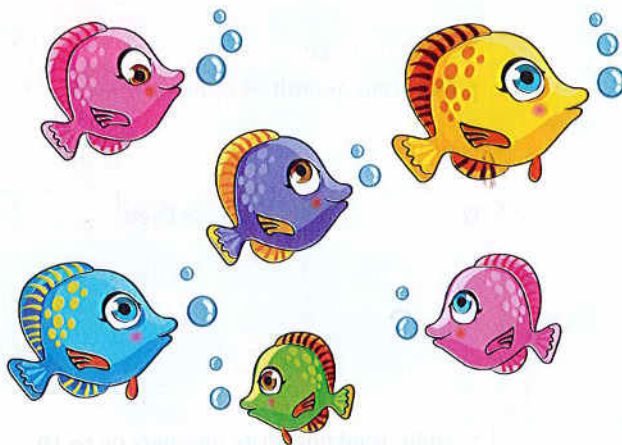
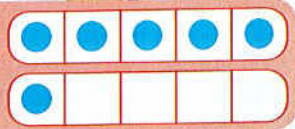
Outcomes :

- Participate in calendar math activities.
- Identify numbers that are 1 less and 1 more than a given number.
- Answer questions about data.
- Count, read and write numbers up to 10.
- Represent quantities from 1 to 10 using pictures.

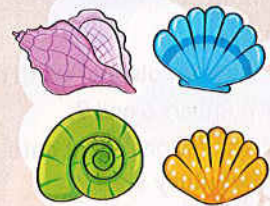
Key vocabulary :

- 1 less
- 1 more
- Comes just after
- Comes just before

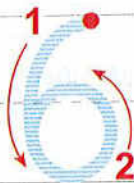
6 Six



Circle the group of 6.



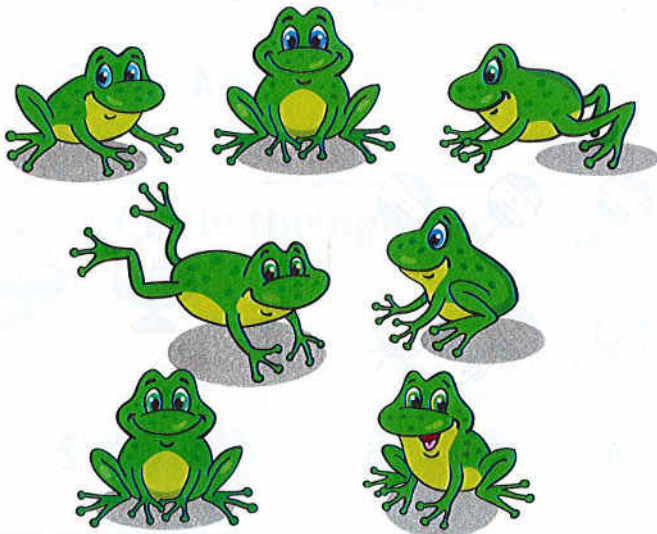
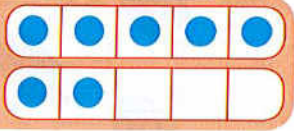
Trace and write.



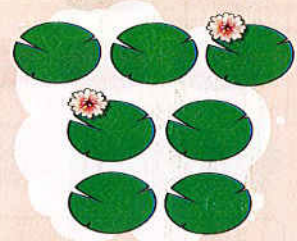
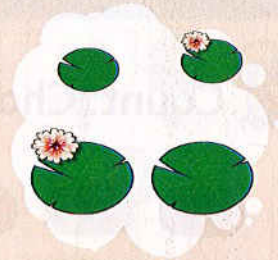
Notes for parents

- Make a large 6 on the floor with chalk and invite your child to walk along the 6 making sure he/she starts at the right point.

7 Seven



Circle the group of 7.



Trace and write.



- Ask your child to find 7 things at home different in sizes and find 6 things that have the same color.
- Help your child show the number 7 using clay.

Exercise

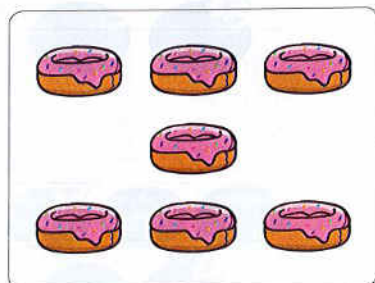
4

Numbers 6 and 7

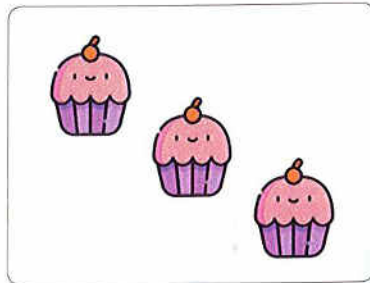
On Lessons 11 & 12



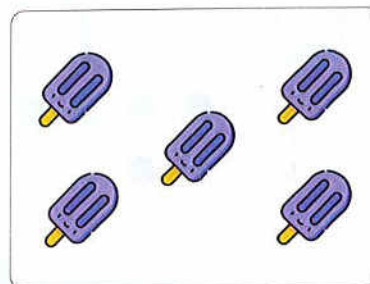
Count. Choose the number.



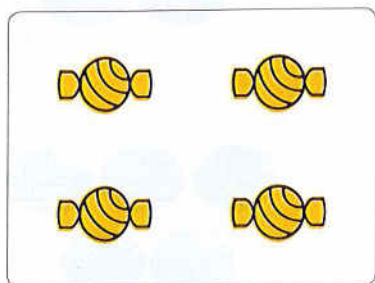
5 6 7



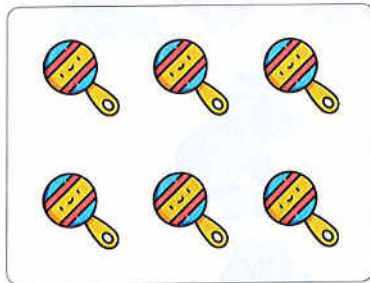
2 3 4



4 5 6



3 4 5



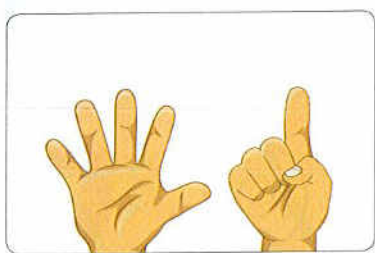
4 5 6



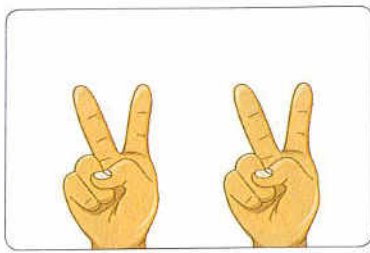
1 2 3



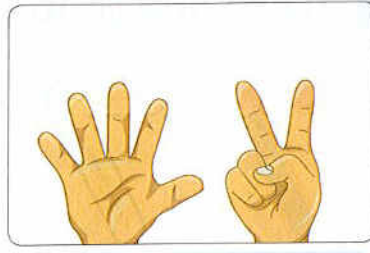
Circle the number of raised fingers.



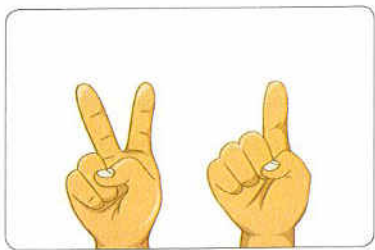
5 6 7



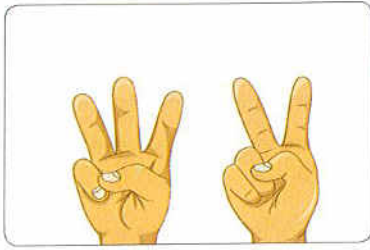
2 3 4



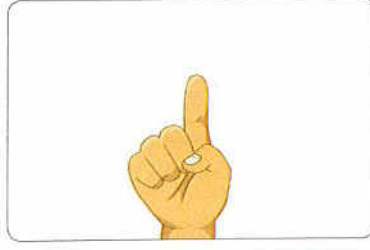
5 6 7



3 4 5



4 5 6



0 1 2



Join each picture with the suitable number.



6

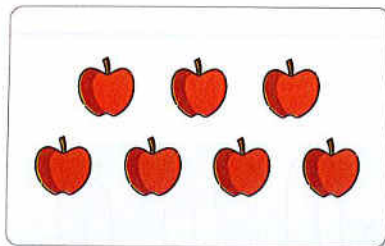
4

5

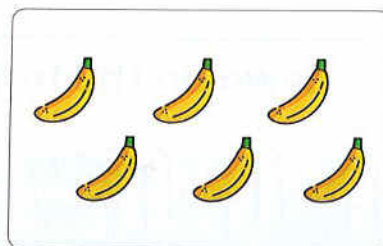
7



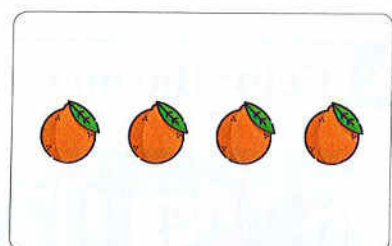
Count. Circle the number.



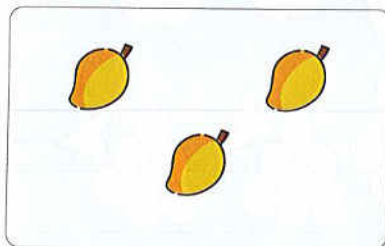
four six seven



five six seven



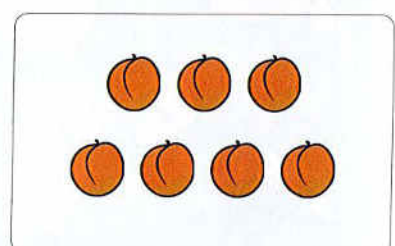
four six seven



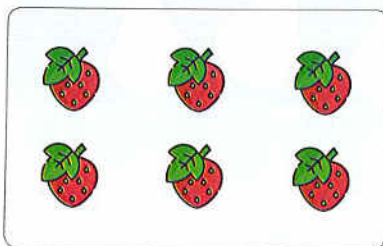
three four five



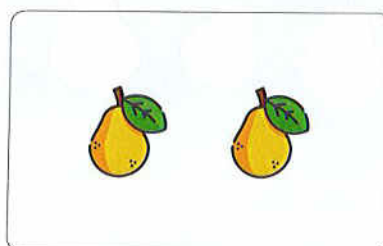
zero one two



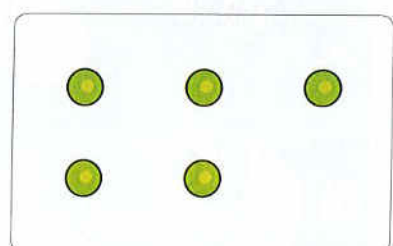
six seven four



three five six



one two three



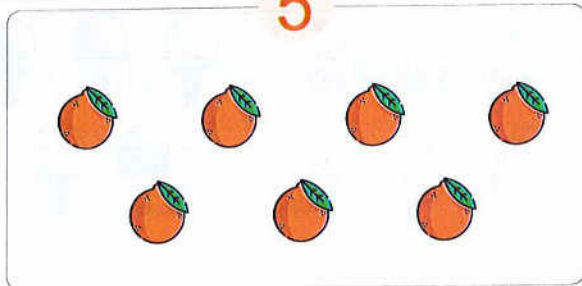
five six seven

Exercise

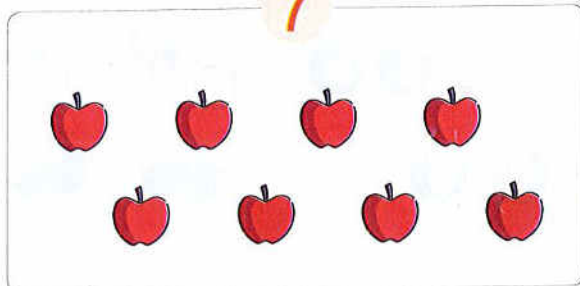


Ring items according to the written number.

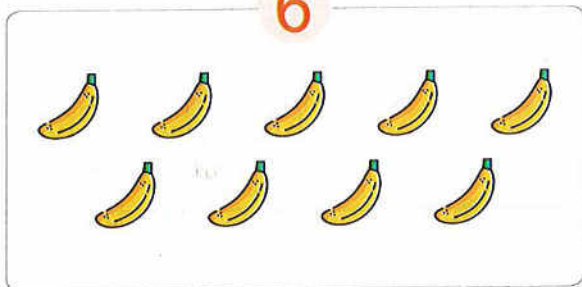
5



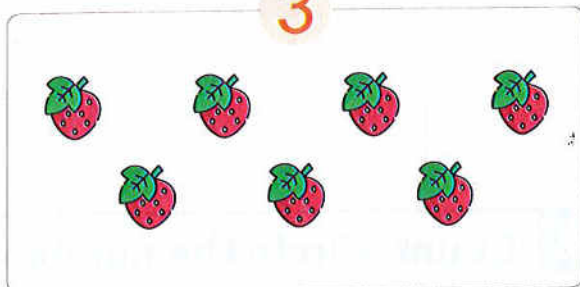
7



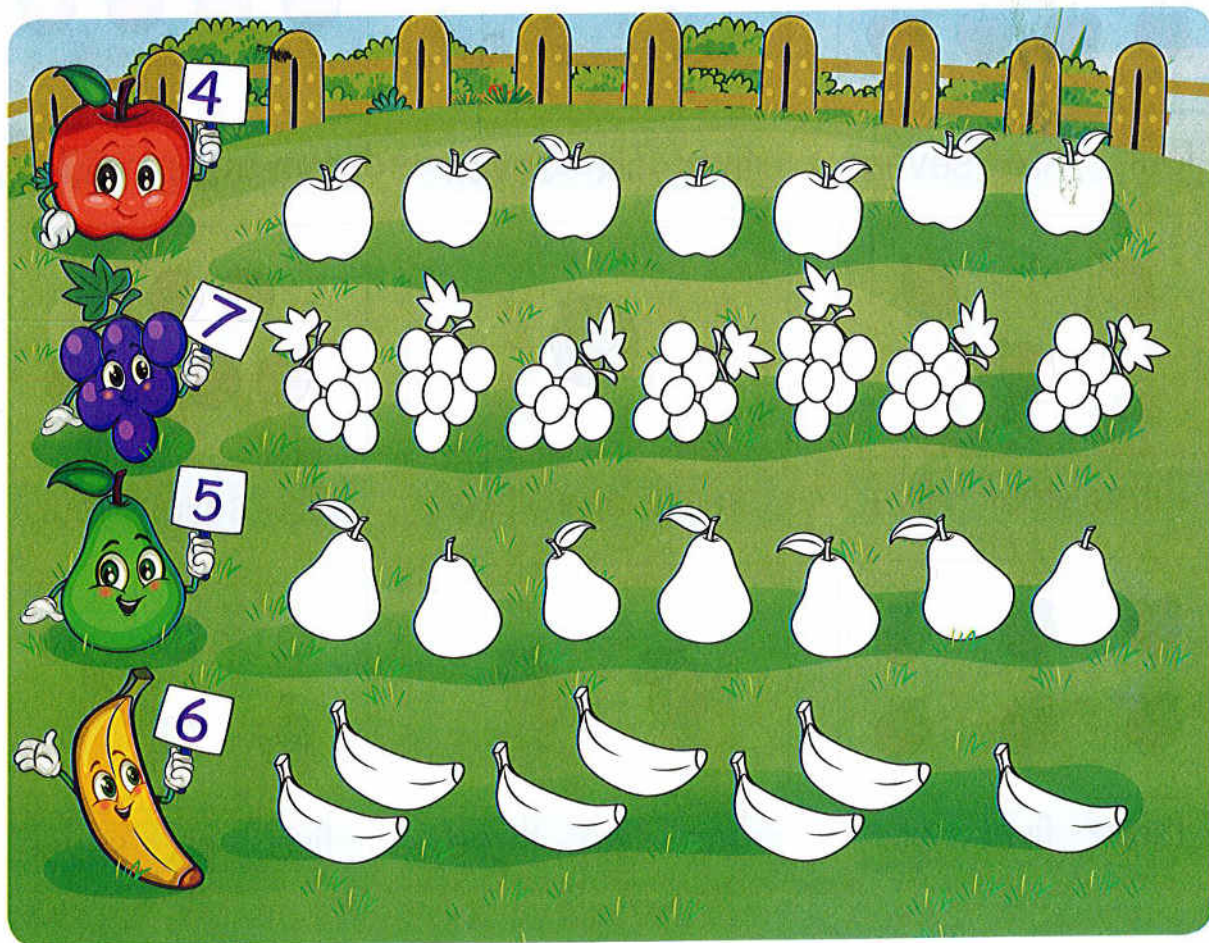
6



3

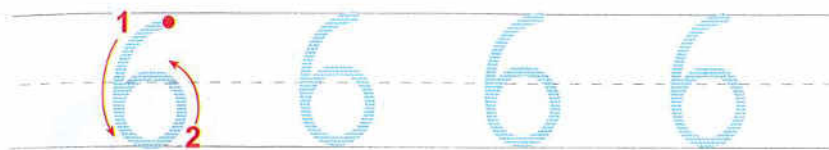


Color the amounts shown on the tags.

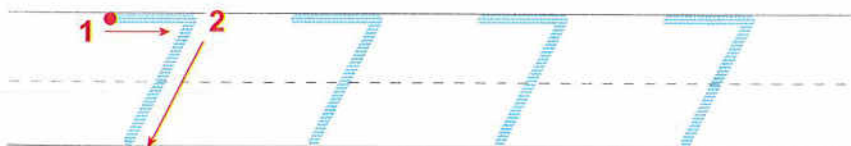




Trace and write the number 6.

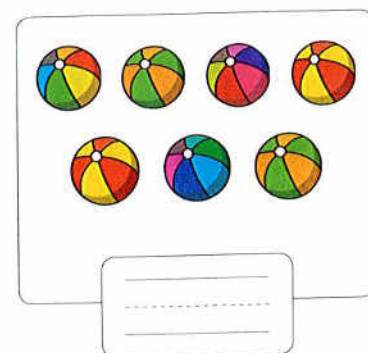
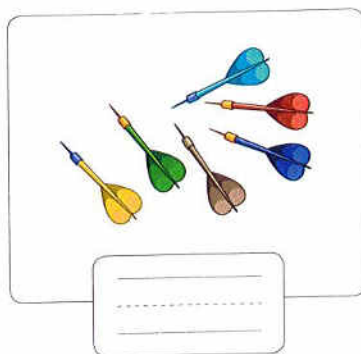
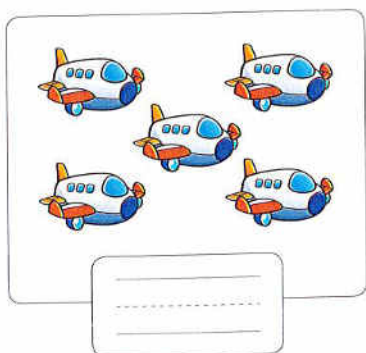
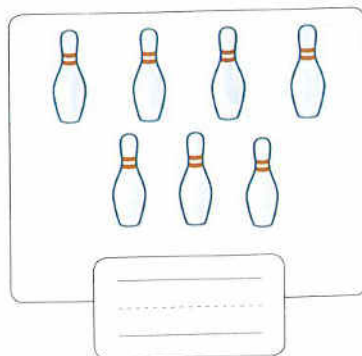
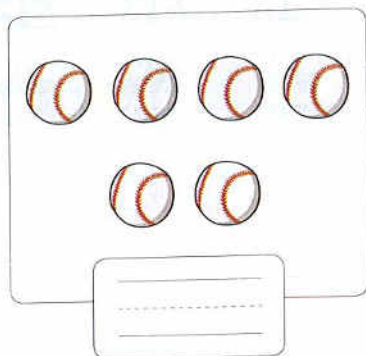


Trace and write the number 7.

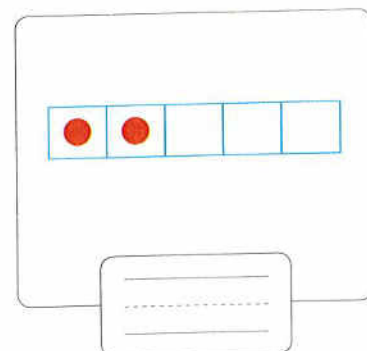
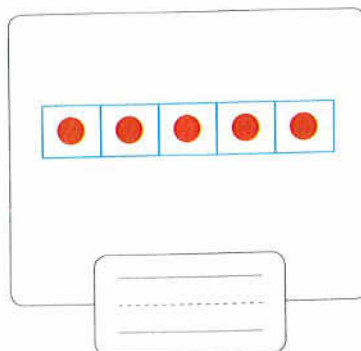
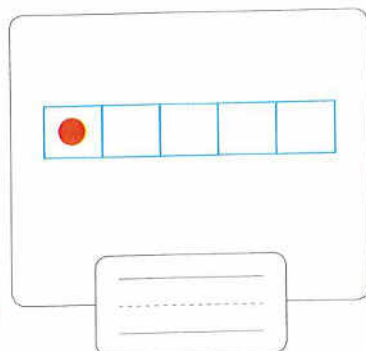
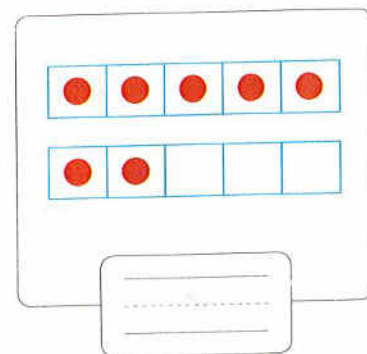
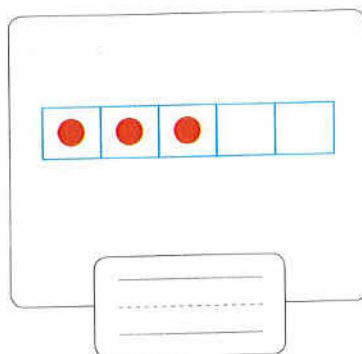
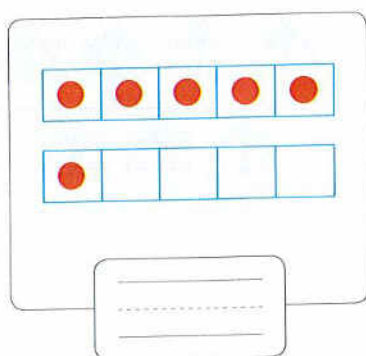




Write the number that shows how many.

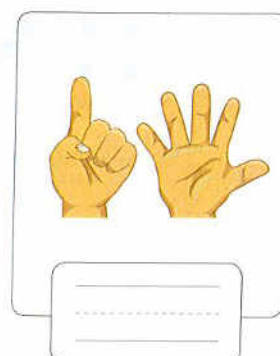
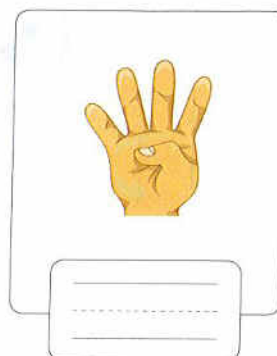
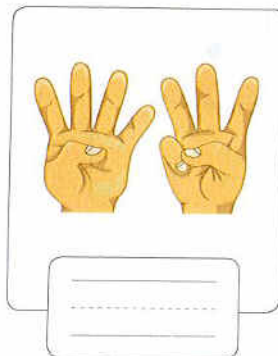
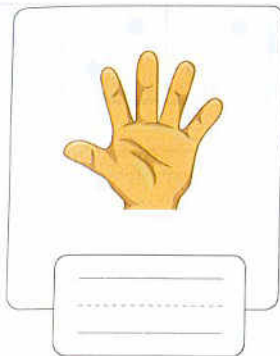


Count. Write the number of dots in the frames.

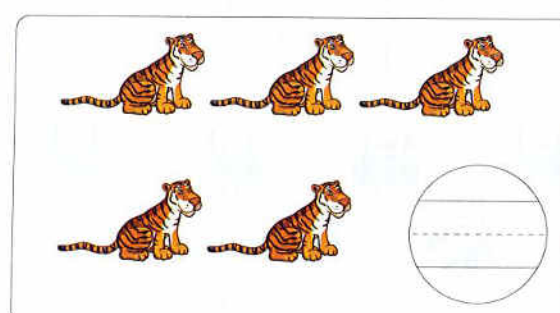
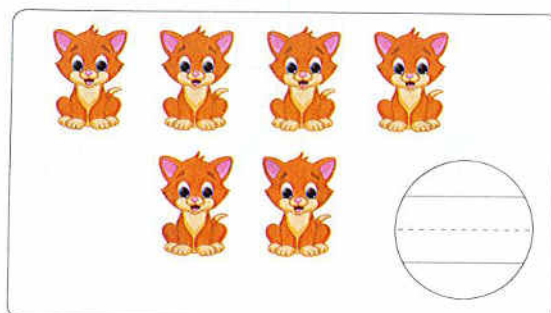
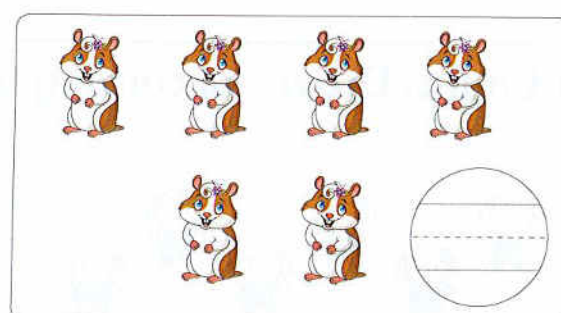
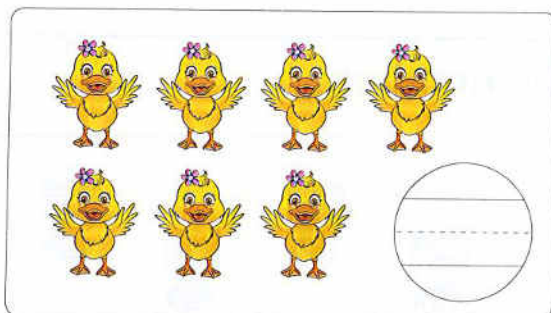
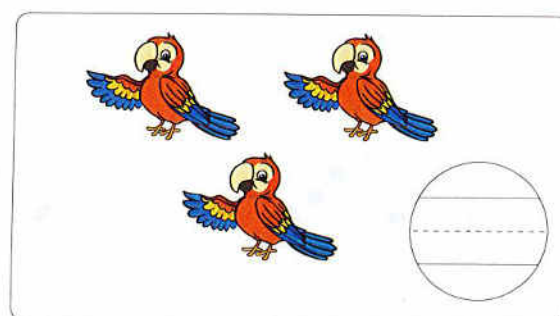
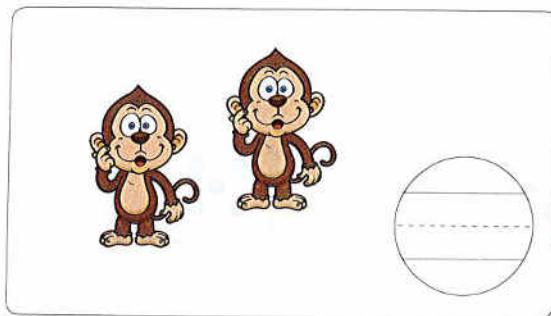




Write the number of raised fingers.

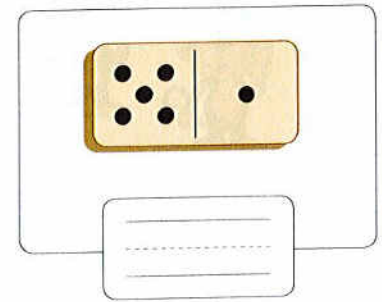
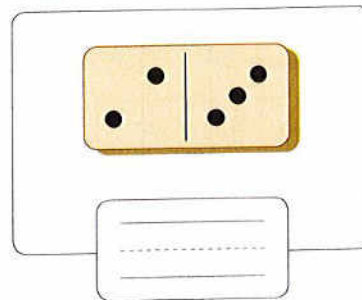
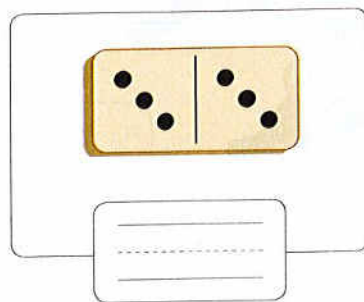
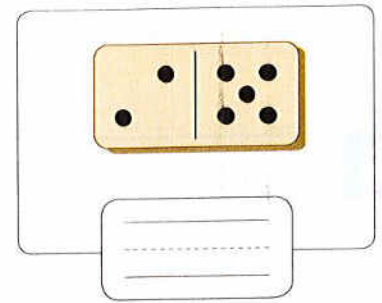
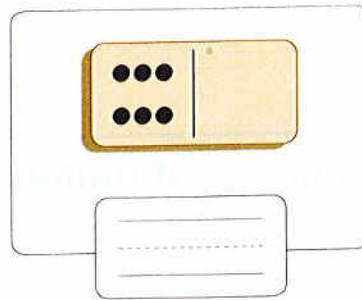
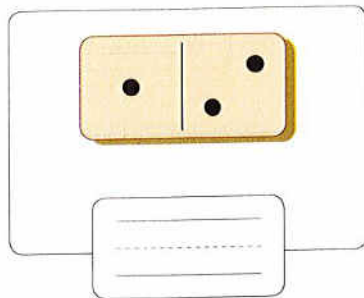
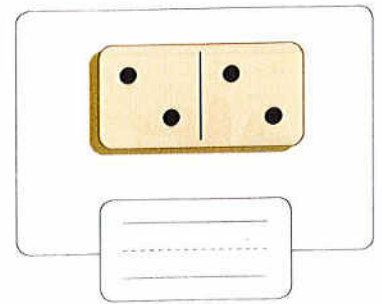
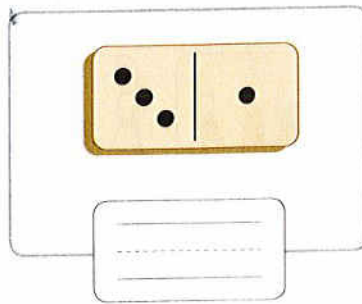
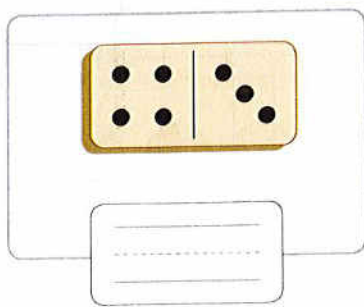


Count. Write the number of animals.

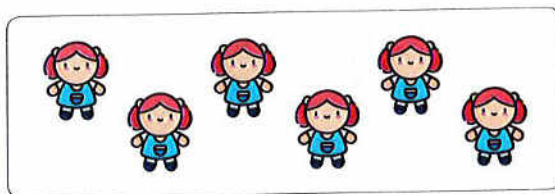




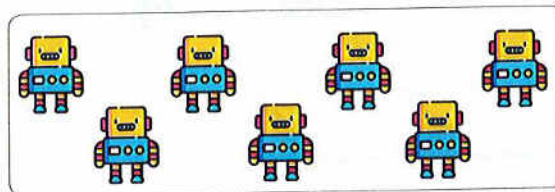
Write the number of dots in each domino.

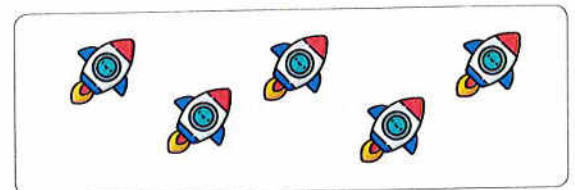


Count. Draw ● according to the number.











Draw ♥ according to the number.

7

5

6

4



Draw to get the written number. Write how many items you drew.

7

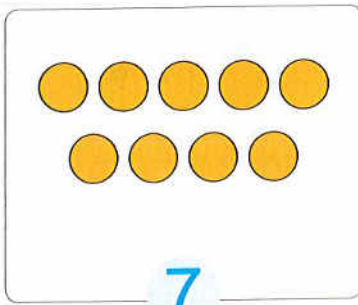
5

6

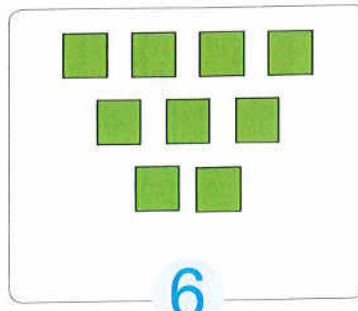
4



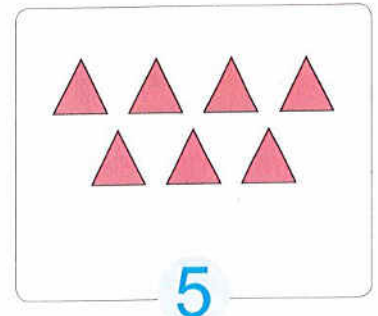
Cancel to get the written number.



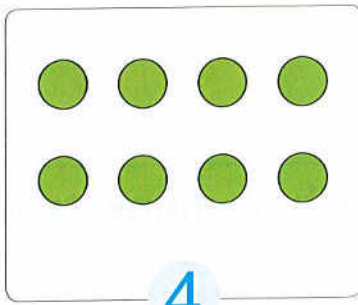
7



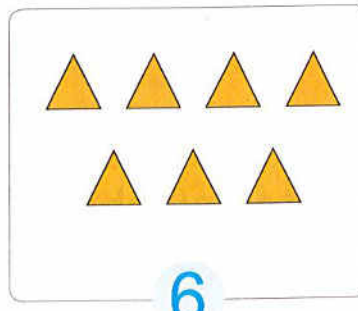
6



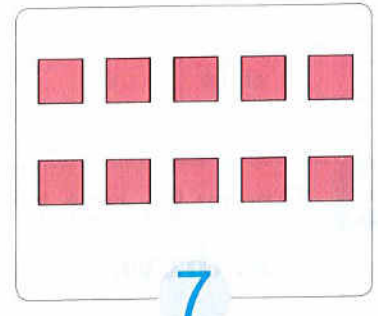
5



4



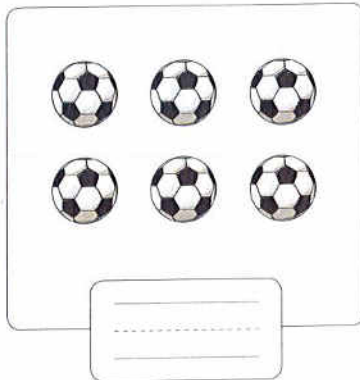
6

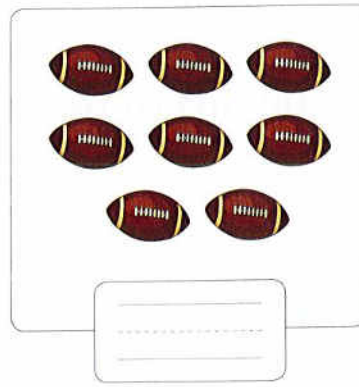


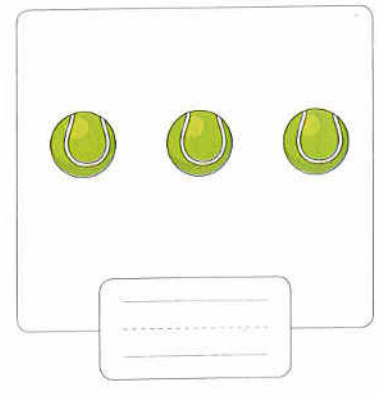
7



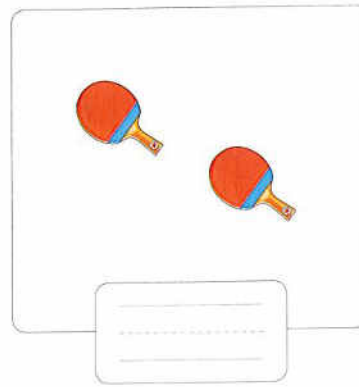
Cancel 1 item in each group. Write the number of the left items.







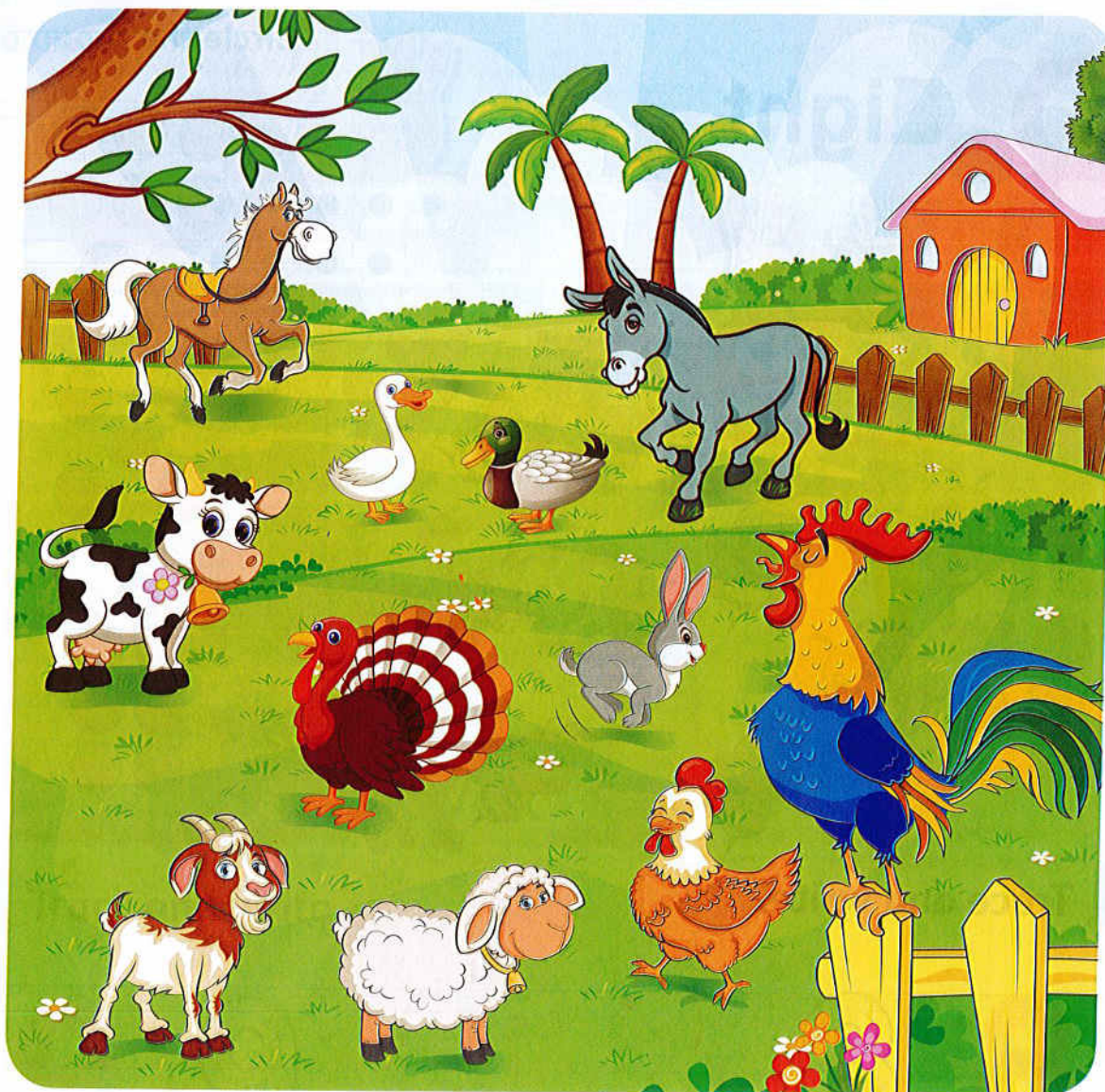








How many ?



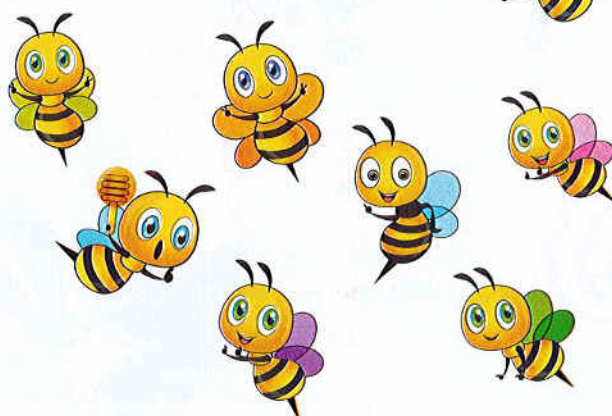
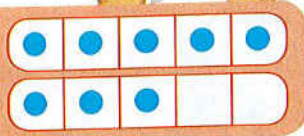
- Color one box for each animal.

Animal with 2 legs							
Animal with 4 legs							

- Complete : - Number of animals with 2 legs =
- Number of animals with 4 legs =



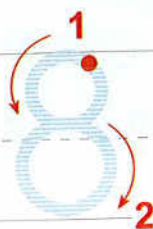
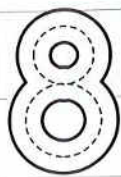
8 Eight



Circle the group of 8.



Trace and write.

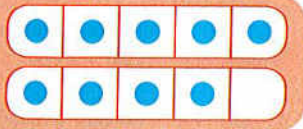


Notes for parents

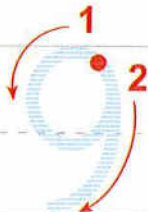
- Give your child a card with the number 8 written on it, then ask him/her to draw pictures on this card to show a group of 8.
- Ask your child to draw 8 circles and color them with the same color.

9

Nine



Trace and write.

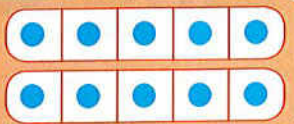


Circle the group of 9.

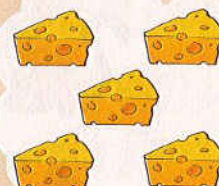
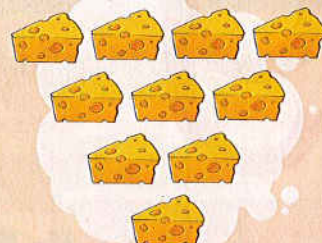


- Ask your child to draw 9 stars different in size.
- Draw a large number 9 on a paper and invite your child to roll a rope of clay and use it to form the number 9 on top of the model.

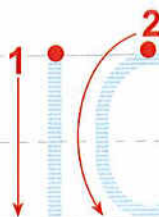
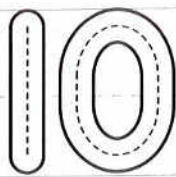
10 Ten



Circle the group of 10.



Trace and write.



Notes for parents

- Ask your child to use his/her both hands to show the number 10.
- Use your finger to write a number from 1 to 10 in your child palm, then ask him to guess this number correctly.

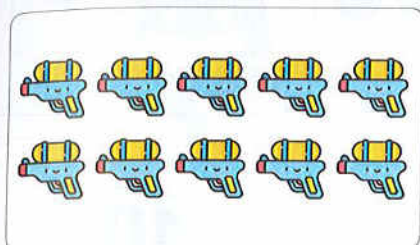
Exercise 5

Numbers 8, 9 and 10

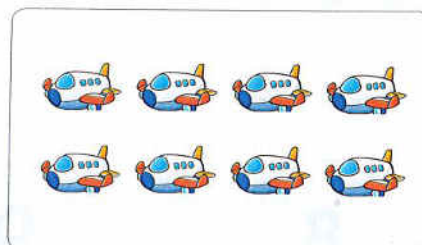
On Lessons 13 to 16



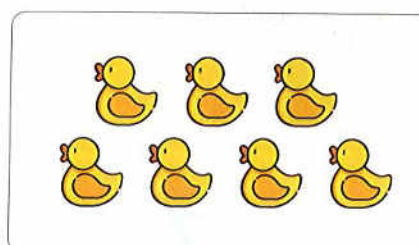
Count. Choose the correct number.



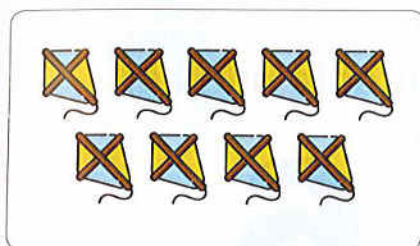
8 9 10



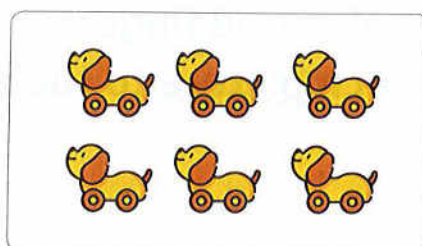
7 8 9



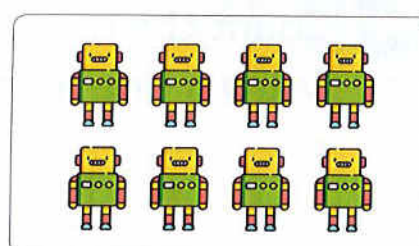
6 7 9



9 8 7



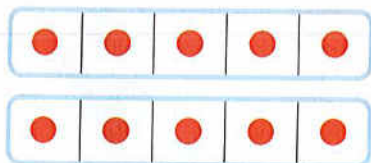
6 8 10



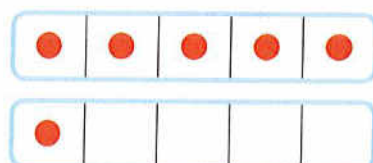
9 10 8



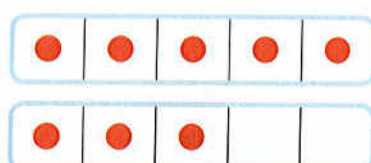
Count. Choose the correct number.



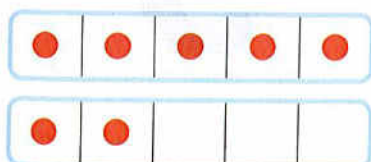
8 9 10



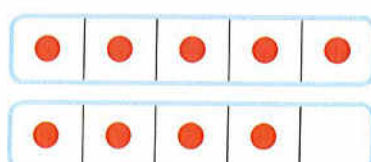
6 7 8



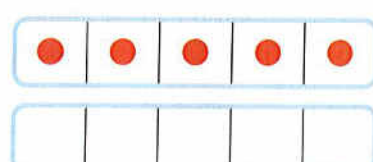
7 8 9



nine six seven



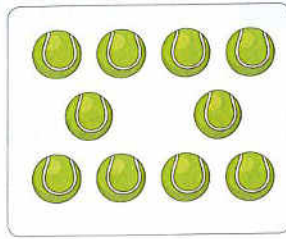
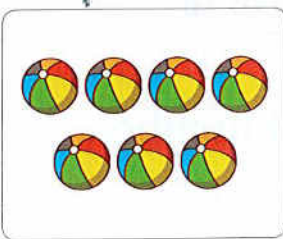
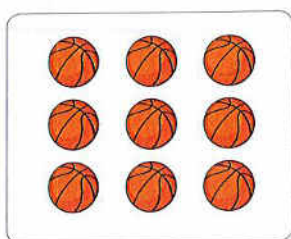
nine eight ten



four five six



Count. Join to the correct number.



7

8

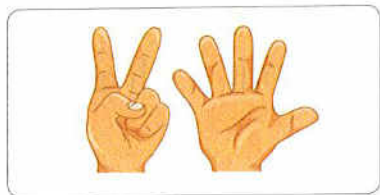
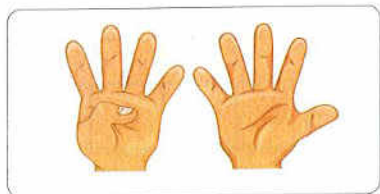
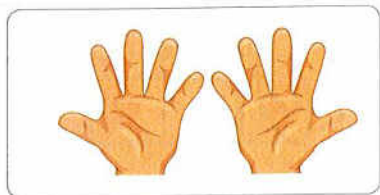
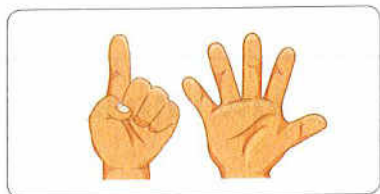
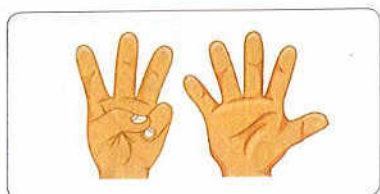
9

10



Count the number of raised fingers.

Draw a line from each picture to the suitable number.



6

7

8

9

10



Draw a line from each



to the correct number word.



three

six



one

seven



two

five



ten

eight



nine

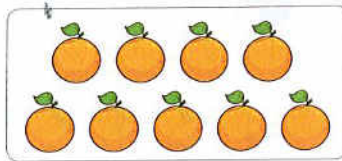
four





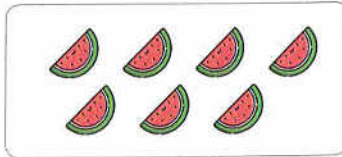
Join.

2



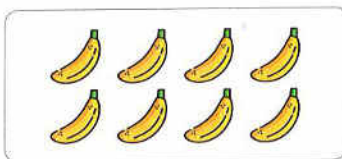
Four

3



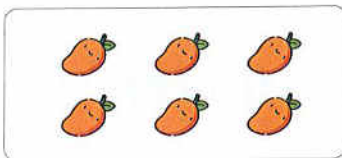
Seven

7



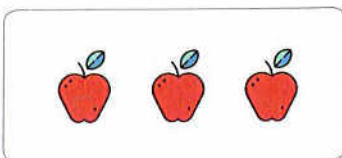
Two

5



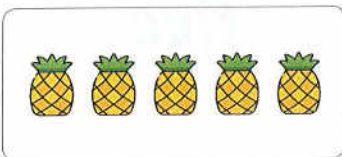
Eight

9



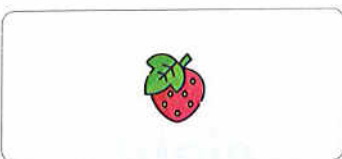
Nine

8



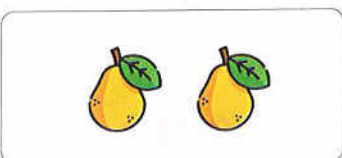
Five

4



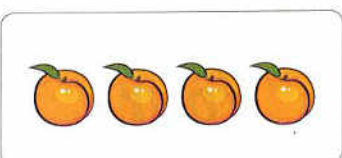
Six

1



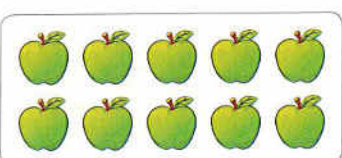
Three

6



Ten

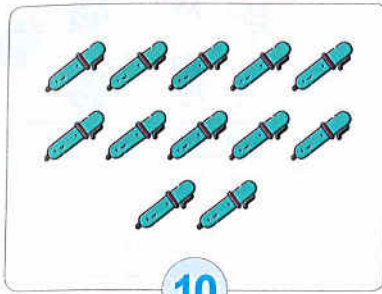
10



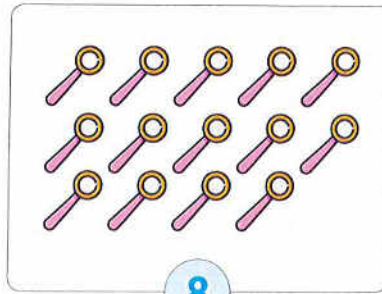
One



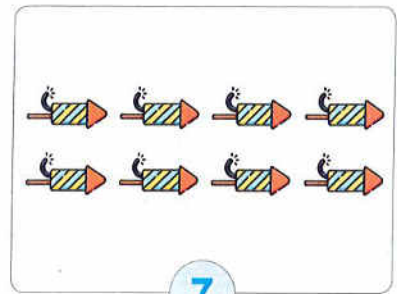
Ring according to the given number.



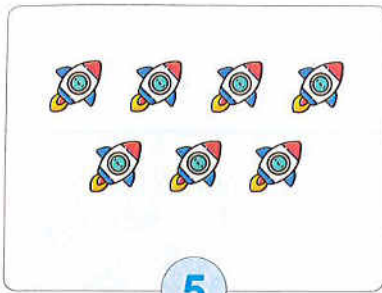
10



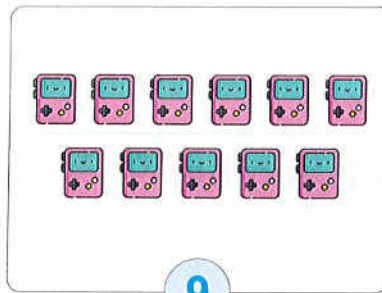
8



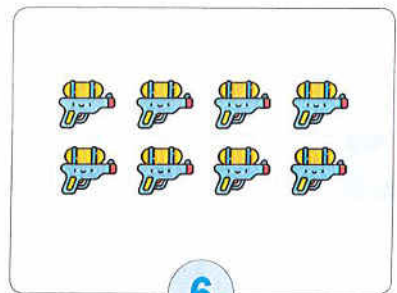
7



5



9



6



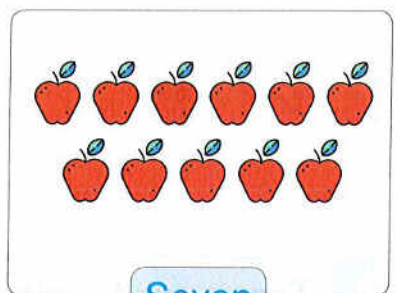
Ring according to the given number.



Ten



Eight



Seven



Six



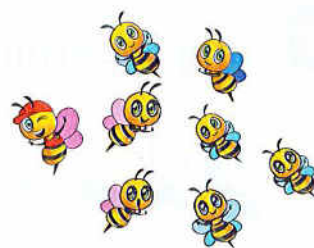
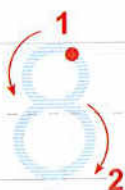
Nine



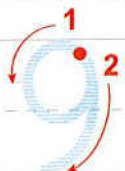
Five



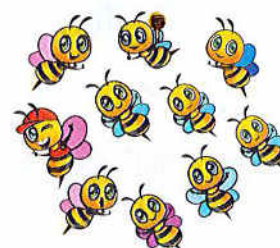
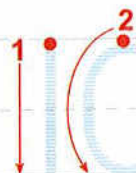
Trace and write the number 8.



Trace and write the number 9.

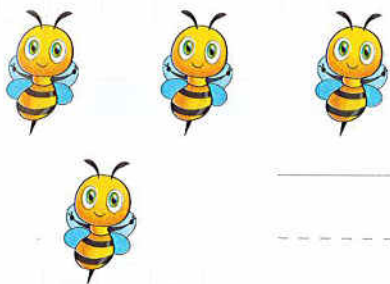


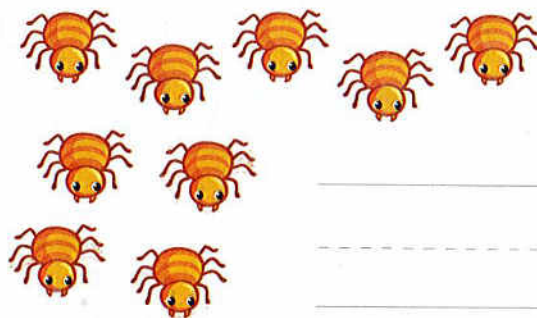
Trace and write the number 10.

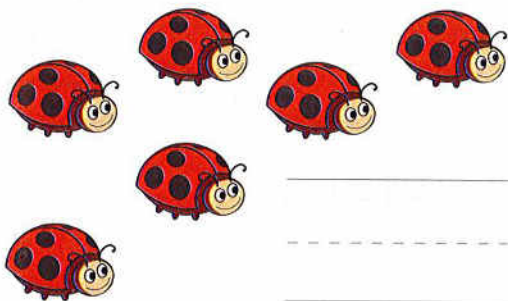


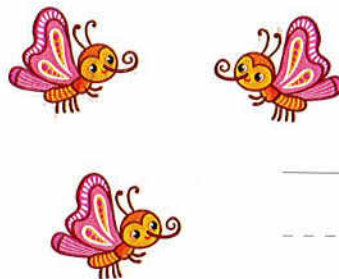


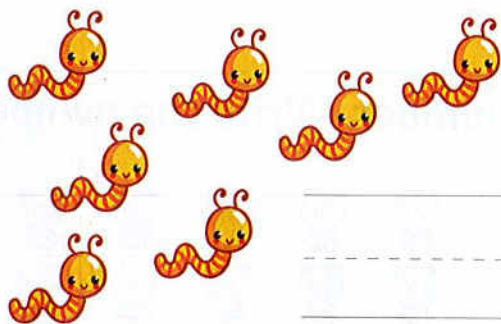
How many insects are there in each group ?

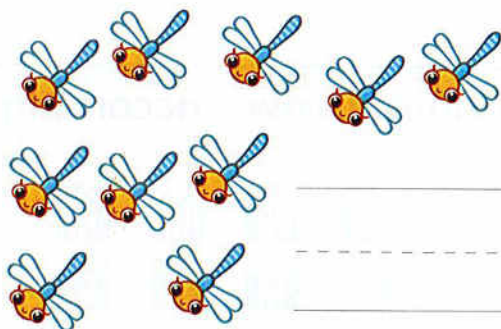


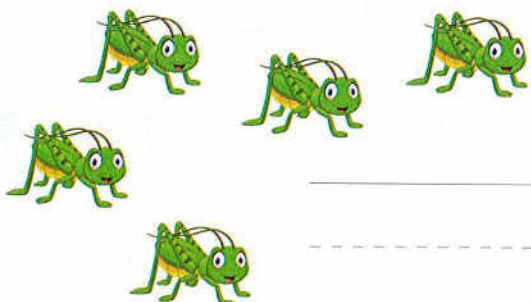


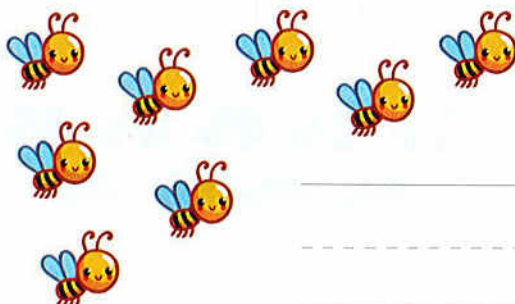














Count the dots and write the number.

•	•	•	•	•
•				

•	•	•	•	•
•	•	•		

•	•	•	•	•

•	•	•		

•				

•	•	•	•	

•	•			

•	•	•	•	•
•	•			

•	•	•	•	•
•	•	•	•	




•	•	•	•	•
•	•	•	•	•












Count. Draw • according to the number. Write the number.




Complete drawing to get 10 items.
Write the number of items you drew.

					
<hr/> <hr/> <hr/>					









					
<hr/> <hr/> <hr/>					





					
<hr/> <hr/> <hr/>					










					
<hr/> <hr/> <hr/>					













Match to make a 10.


					
					



					







					
					

Jungle Count



Circle how many you see on **BOTH PAGES**.

• How many  are there ?

4 5 6

• How many  are there ?

5 6 7

• How many  are there ?

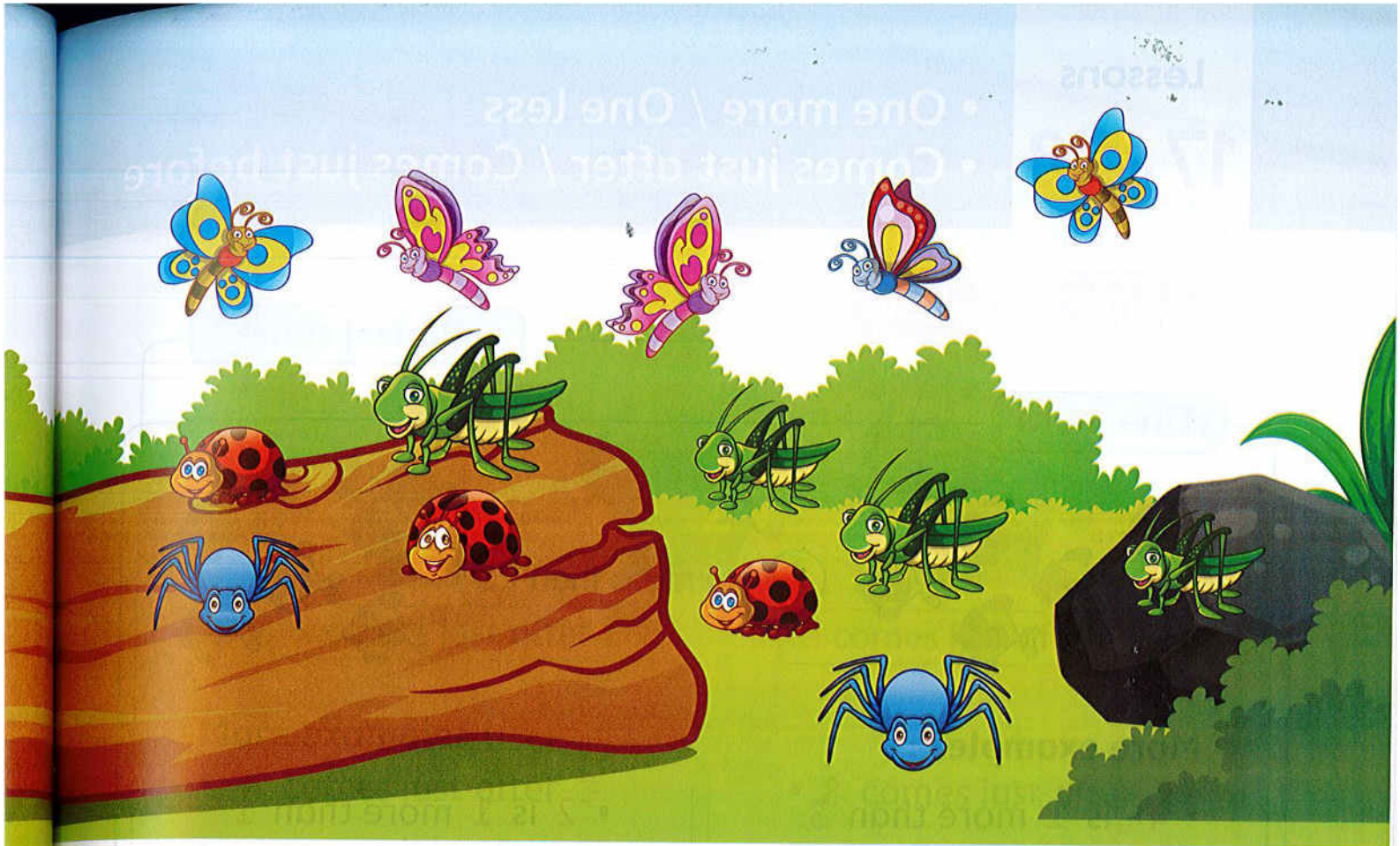
2 3 4

• How many  are there ?

7 8 9

• How many  are there ?

8 9 10



Color one box for each insect you see on both pages.





Circle which insect there is the most of.

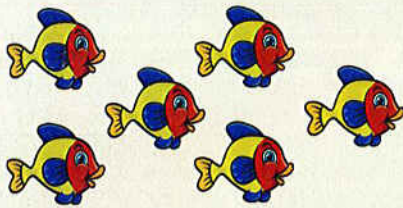


Place
a smiley
face

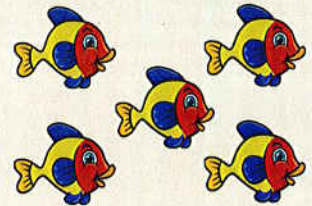
- One more / One less
- Comes just after / Comes just before

One more / One less

One more



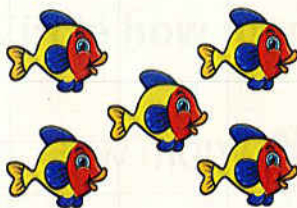
6 is **1 more** than **5**



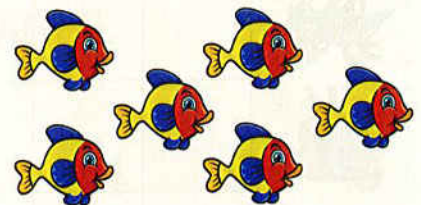
More examples :

- | | |
|-------------------------------------|------------------------------------|
| • 4 is 1 more than 3 | • 2 is 1 more than 1 |
| • 10 is 1 more than 9 | • 5 is 1 more than 4 |
| • 7 is 1 more than 6 | • 8 is 1 more than 7 |

One less



5 is **1 less** than **6**



More examples :

- | | |
|-------------------------------------|------------------------------------|
| • 3 is 1 less than 4 | • 7 is 1 less than 8 |
| • 9 is 1 less than 10 | • 4 is 1 less than 5 |
| • 2 is 1 less than 3 | • 8 is 1 less than 9 |

Notes for parents

- Tell your child a number from 1 to 9 and ask your child to tell you the number that is 1 more than it, and another number that is 1 less than it. Repeat the practice with more numbers.

Comes just after / Comes just before

Comes just after



2 comes just after **1**

3 comes just after **2**

More examples :

- **4** comes just after **3**
- **10** comes just after **9**
- **5** comes just after **4**
- **8** comes just after **7**
- **6** comes just after **5**
- **7** comes just after **6**

Comes just before



4 comes just before **5**

5 comes just before **6**

More examples :

- **3** comes just before **4**
- **7** comes just before **8**
- **8** comes just before **9**
- **9** comes just before **10**
- **6** comes just before **7**
- **0** comes just before **1**

* Ask your child to count some objects at home, then tell the number that comes just before their number, and another number that comes just after their number.

Exercise 6

- One more / One less
- Comes just after / Comes just before

On Lessons 17 & 18

One more / One less



Count. Write the number. Circle the number that is 1 more as the example.



5



4

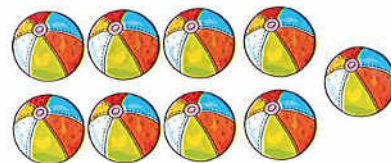


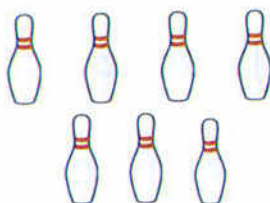








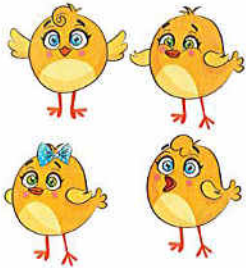








Count. Write the number. Circle the number that is 1 less as the example.

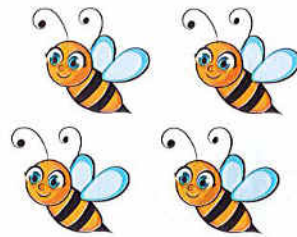


4



5

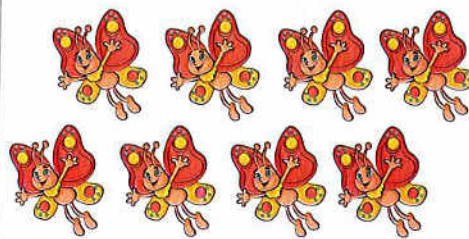


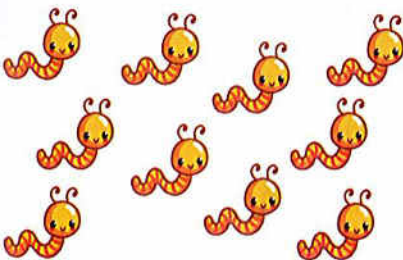


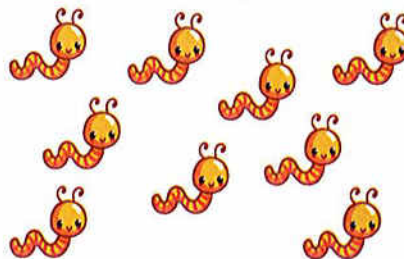






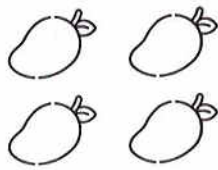


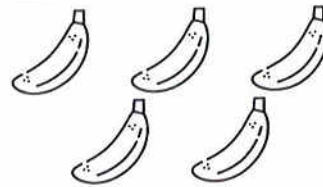


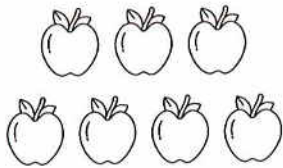


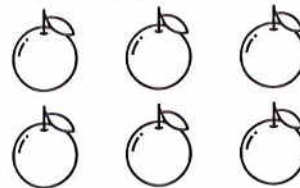


Count. Write the number. Color the group that has one more object than the other.







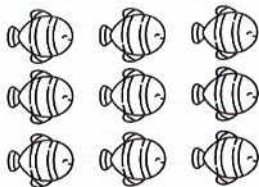




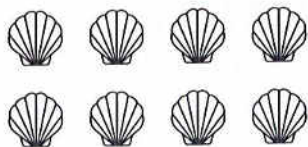


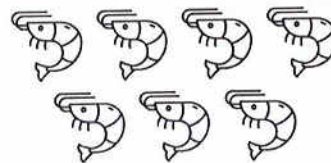


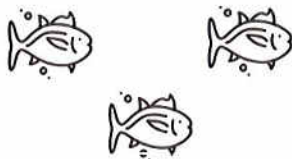
Count. Write the number. Color the group that has one less object than the other.

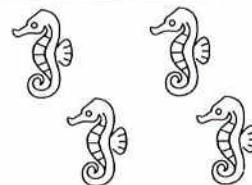














Write the number that is 1 more than the written number.

7	<hr/> <hr/> <hr/>
---	-------------------

2	<hr/> <hr/> <hr/>
---	-------------------

5	<hr/> <hr/> <hr/>
---	-------------------

6	<hr/> <hr/> <hr/>
---	-------------------

8	<hr/> <hr/> <hr/>
---	-------------------

1	<hr/> <hr/> <hr/>
---	-------------------

3	<hr/> <hr/> <hr/>
---	-------------------

9	<hr/> <hr/> <hr/>
---	-------------------

4	<hr/> <hr/> <hr/>
---	-------------------



Write the number that is 1 less than the written number.

<hr/> <hr/> <hr/>	3
-------------------	---

<hr/> <hr/> <hr/>	6
-------------------	---

<hr/> <hr/> <hr/>	10
-------------------	----

<hr/> <hr/> <hr/>	5
-------------------	---

<hr/> <hr/> <hr/>	9
-------------------	---

<hr/> <hr/> <hr/>	2
-------------------	---

<hr/> <hr/> <hr/>	4
-------------------	---

<hr/> <hr/> <hr/>	8
-------------------	---

<hr/> <hr/> <hr/>	7
-------------------	---



Choose the correct number.

5 is 1 more than ____

3 4 6

7 is 1 less than ____

6 8 9

9 is 1 less than ____

7 8 10

6 is 1 more than ____

5 7 9

7 is 1 more than ____

8 6 9

2 is 1 less than ____

0 3 1



Match.

7 is one less than ____

5 is one more than ____

4 is one less than ____

8 is one more than ____

5 is one less than ____

10 is one more than ____

5

6

8

4

9

7





Write (✓) to the correct statement and (X) to the incorrect statement.

• 2 is 1 more than 1 ()

• 7 is 1 less than 6 ()

• 9 is 1 less than 10 ()

• 5 is 1 more than 6 ()

• 8 is 1 more than 7 ()

• 4 is 1 less than 3 ()



Choose less or more.

6 is one ____ than 7

less more

3 is one ____ than 4

less more

10 is one ____ than 9

less more

1 is one ____ than 2

less more

8 is one ____ than 7

less more

5 is one ____ than 6

less more

2 is one ____ than 3

less more

9 is one ____ than 8

less more

4 is one ____ than 3

less more

0 is one ____ than 1

less more



Complete.

• 7 is 1 less than _____

• 4 is 1 less than _____

• 6 is 1 less than _____

• 9 is 1 less than _____

• 1 is 1 less than _____

• 0 is 1 less than _____

• 6 is 1 more than _____

• 9 is 1 more than _____

• 8 is 1 more than _____

• 10 is 1 more than _____

• 5 is 1 more than _____

• 4 is 1 more than _____



Complete.

• _____ is 1 more than 2

• _____ is 1 more than 5

• _____ is 1 more than 3

• _____ is 1 more than 6

• _____ is 1 less than 7

• _____ is 1 less than 5

• _____ is 1 less than 3

• _____ is 1 less than 1

• _____ is 1 more than 7

• _____ is 1 more than 8

• _____ is 1 less than 6

• _____ is 1 less than 9



Write the number that comes just after.

3

4

8

7

9

0

5

6

1



Write the number that comes just before.

3

4

8

7

9

2

5

6

1



Join.

5 comes just after ____

9 comes just before ____

7 comes just after ____

4 comes just before ____

2 comes just after ____

7 comes just before ____

6

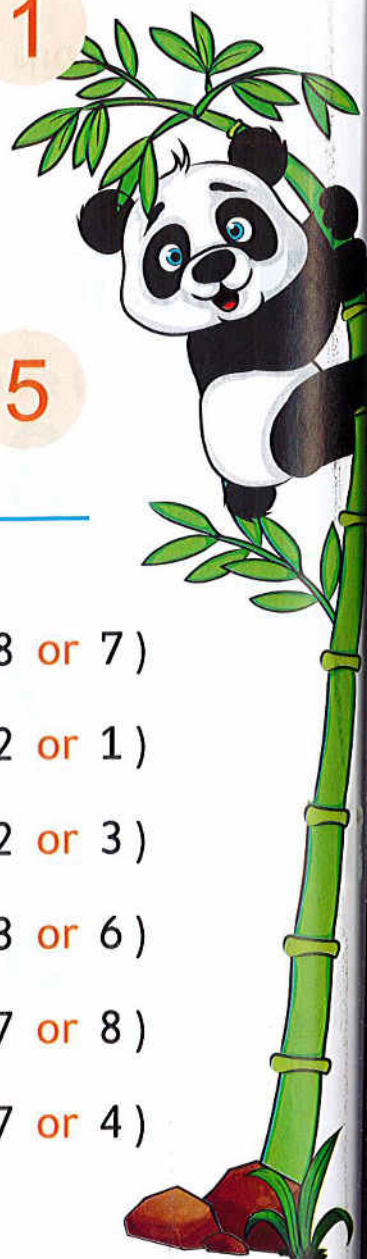
4

10

1

8

5



Choose the correct answer.

• 9 comes just after ____

(10 or 8 or 7)

• 3 comes just before ____

(4 or 2 or 1)

• 1 comes just before ____

(0 or 2 or 3)

• ____ comes just after 5

(4 or 3 or 6)

• ____ comes just before 9

(10 or 7 or 8)

• ____ comes just after 6

(5 or 7 or 4)



Complete.

- 5 comes just before _____
- 3 comes just after _____
- 6 comes just before _____
- _____ comes just after 8
- 10 comes just after _____
- 8 comes just before _____
- 4 comes just after _____
- _____ comes just before 3



Choose after or before.

6 comes just ____ 5

before after

9 comes just ____ 10

before after

7 comes just ____ 8

after before

2 comes just ____ 1

after before

7 comes just ____ 6

before after

3 comes just ____ 4

after before

1 comes just ____ 0

after before

4 comes just ____ 5

before after



Write the missing numbers.

1 2 4

4 5 8

6 7 8

2 3 5

1 4 5

7 8

3 5





Chapter 2



Color the spaces.

6

Orange

7

Red

8

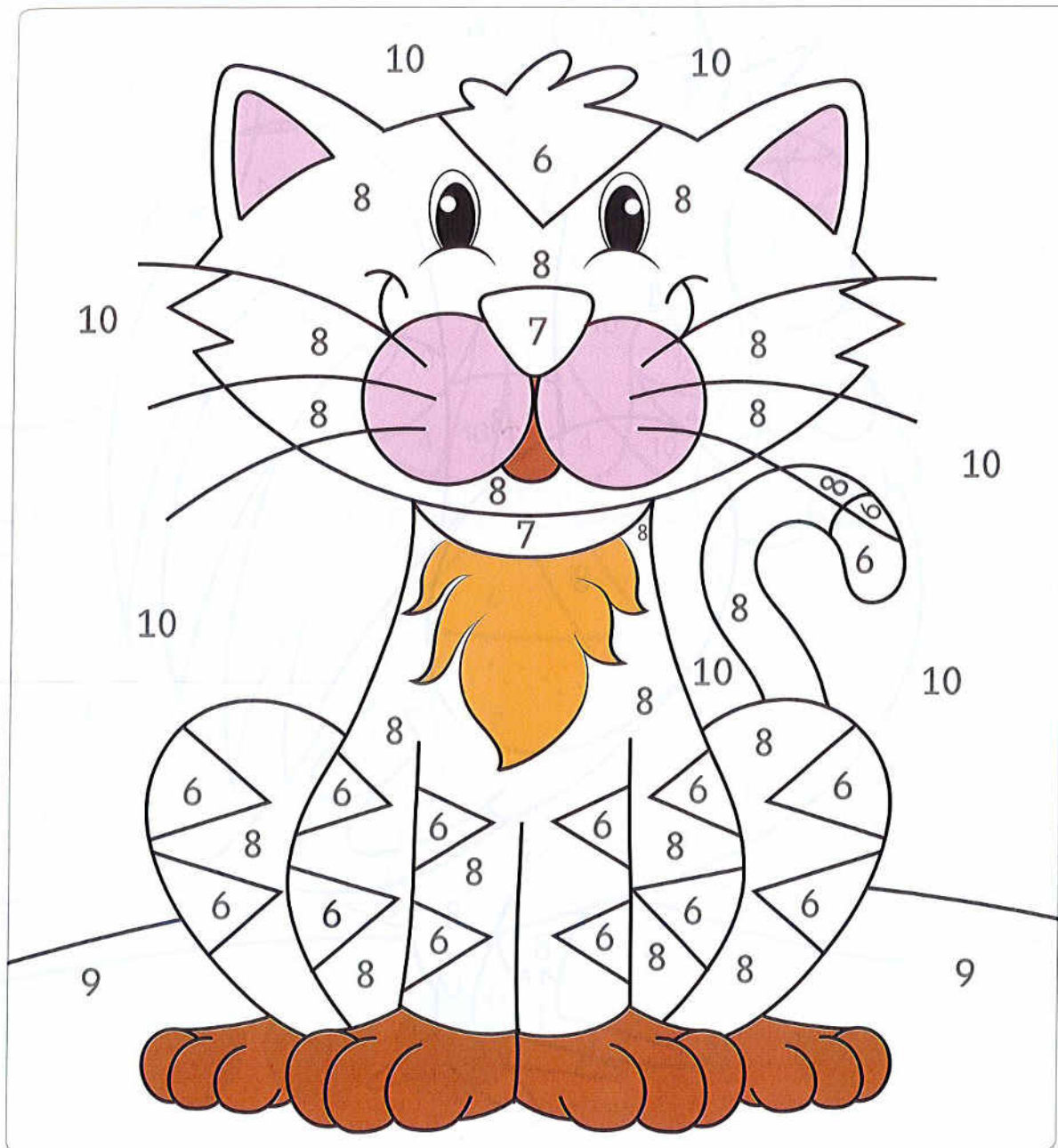
Yellow

9

Green

10

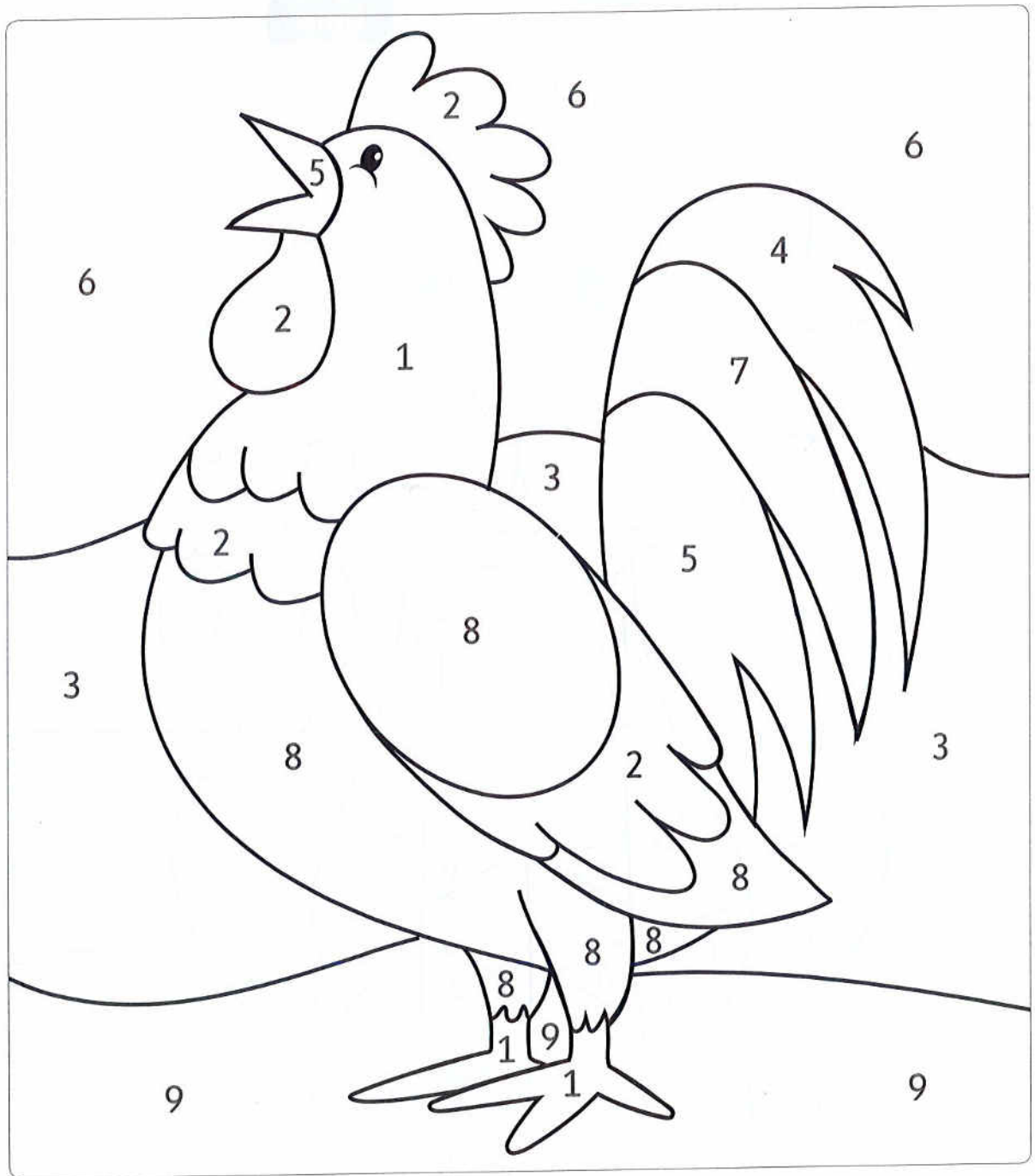
Blue





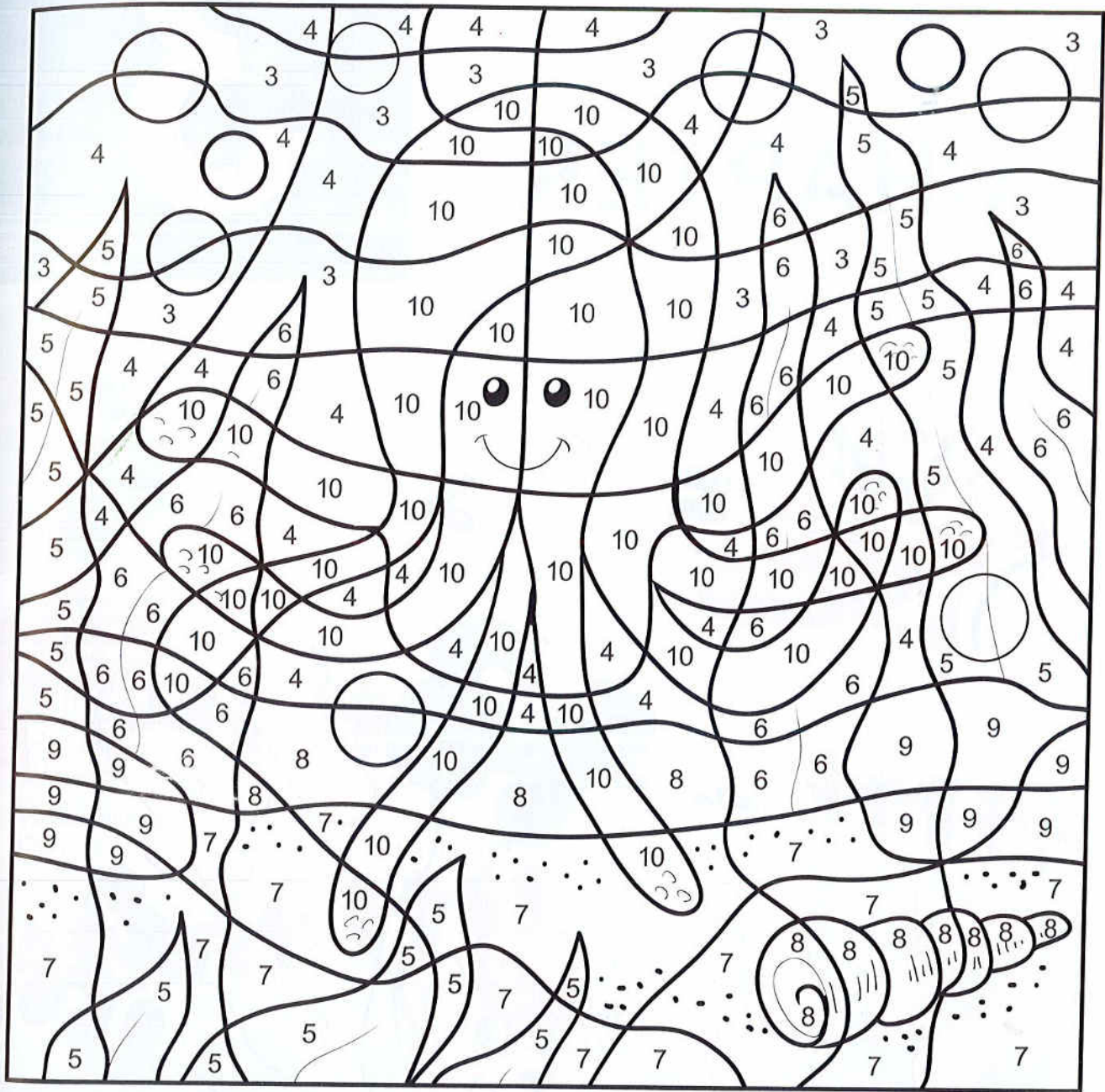
Color the picture.

- | | | | | | | | | | |
|---|--------|---|--------|---|-------|---|-------|---|-----|
| 1 | Yellow | 2 | Orange | 3 | Green | 4 | Pink | 5 | Red |
| 6 | Blue | 7 | Purple | 8 | Brown | 9 | Black | | |





Color the picture according to the coloring key.



CHAPTER

3



Outcomes and key vocabulary of chapter three :

Lessons 19 & 20

Outcomes :

- Participate in calendar math activities.
- Count, read and write 11, 12 and 13.
- Use the terms greater than, less than and equal to.

Key vocabulary :

- Greater than
- Less than
- Equal to
- Compare

Lessons 21 & 22

Outcomes :

- Participate in calendar math activities.
- Count, read and write 14 and 15.

Key vocabulary :

- Greater than
- Less than
- Equal to
- Ordering

Lessons 23 & 24

Outcomes :

- Participate in calendar math activities.
- Count from 0 to 15.
- Use the terms greater than, less than and equal to.
- Compare numbers using the symbols $>$, $<$ and $=$.

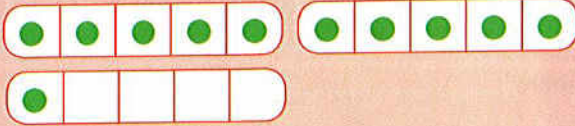
Key vocabulary :

- Compare
- Greater than
- Less than
- Equal to

- Numbers from 11 to 13
- Greater than / Less than / Equal to

11

Eleven

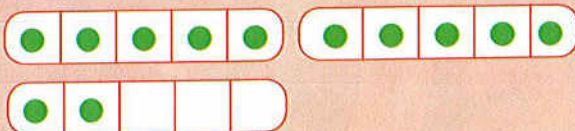


Trace and write.

Tracing practice lines for the number 11. The first row shows seven dashed '11's for tracing. Below it are two empty rows for independent writing.

12

Twelve



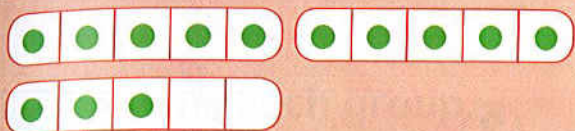
Trace and write.

Tracing practice lines for the number 12. The first row shows seven dashed '12's for tracing. Below it are two empty rows for independent writing.

Notes for parents

- Help your child find from 1 through 13 objects at home to count and write the number that tells how many.

13 Thirteen



Trace and write.

13 13 13 13 13 13 13



- Ask your child to trace and write the numbers 11, 12 and 13.
- Ask your child to use clay to show you 11, 12 and 13.

Greater than / Less than / Equal to

Which number is greater ?



5 is greater than 3

Greater means more.



More examples :

• 7 is greater than 5

• 13 is greater than 10

Which number is less ?



8 is less than 9

Less means fewer.



More examples :

• 5 is less than 6

• 11 is less than 13

Equal to



3 is equal to 3

Equal to means
the same number.



More examples :

• 6 is equal to 6

• 11 is equal to 11

Notes for parents

- Ask your child to make two cube towers and decide which tower has more cubes, and which tower has less cubes.
- Let your child use small objects to set two groups that have the same number of objects.

Exercise 7

- Numbers from 11 to 13
- Greater than / Less than / Equal to

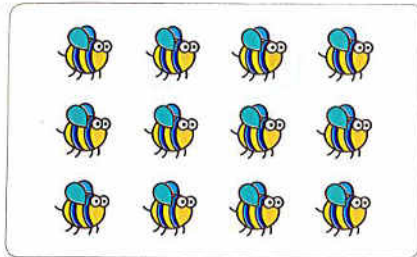
On Lessons 19 & 20

Numbers from 11 to 13

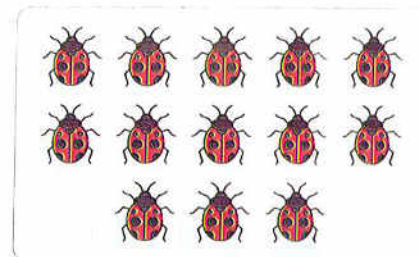


Count each group.

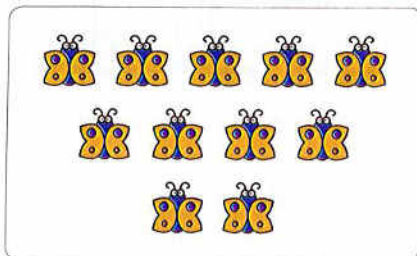
Draw a line from the group to the correct number.



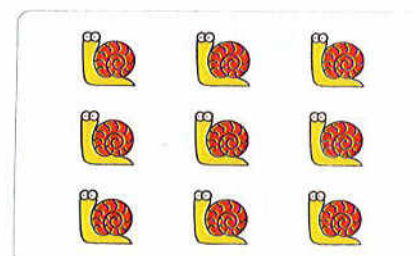
5



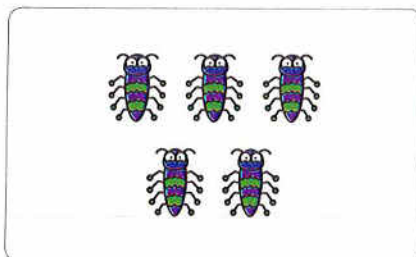
12



11



13



4



9



Join.

Ten

Nine

Twelve

Thirteen

Eleven

12

13

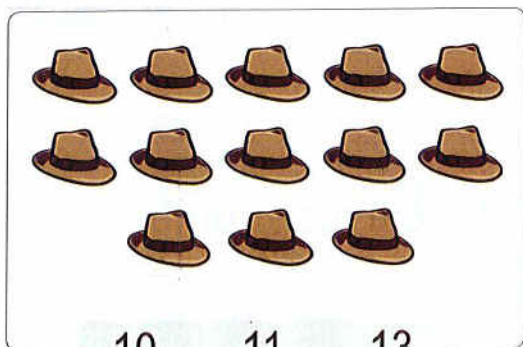
9

11

10



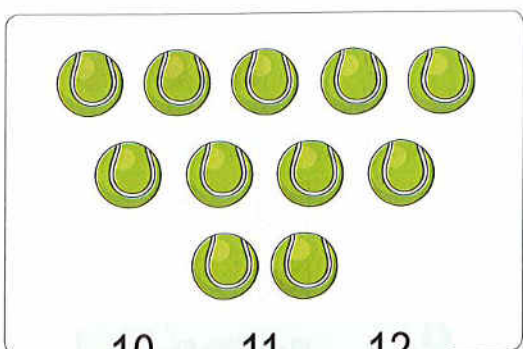
Count. Circle the correct number.



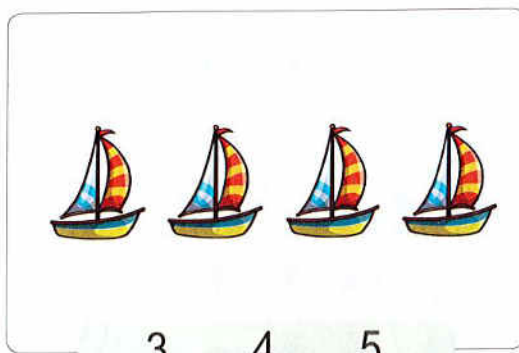
10 11 13



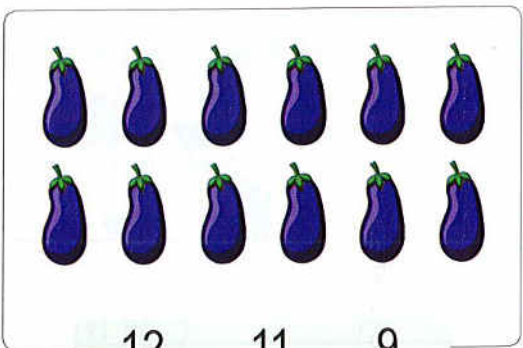
8 10 12



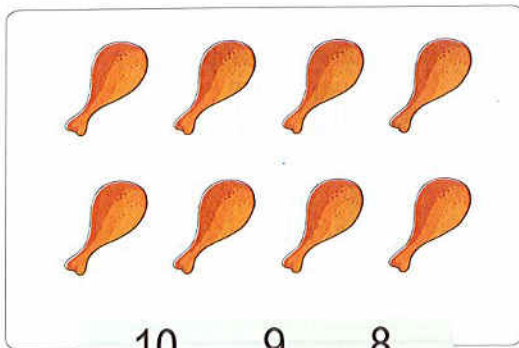
10 11 12



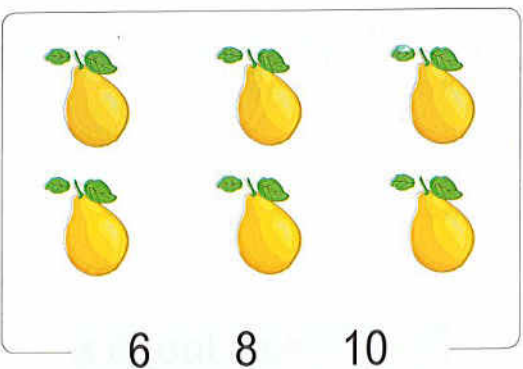
3 4 5



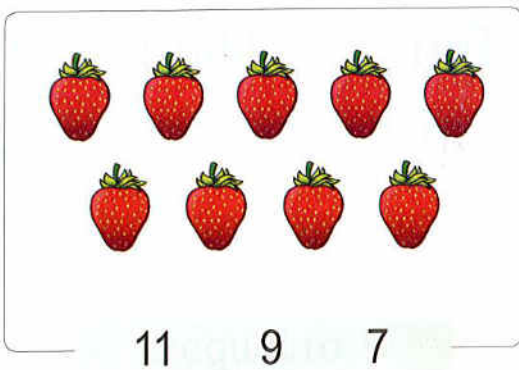
12 11 9



10 9 8



6 8 10



11 9 7



Join.

2



Eleven

6



Five

3



Three

9



One

12



Eight

11



Ten

8



Two

5



Six

10



Nine

13



Thirteen

1

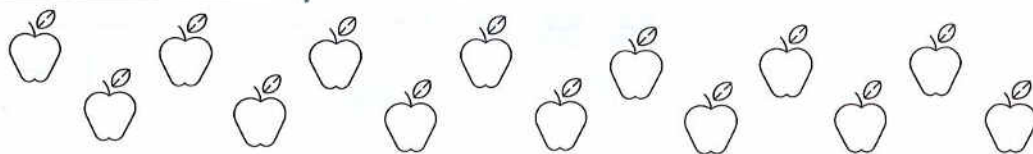


Twelve

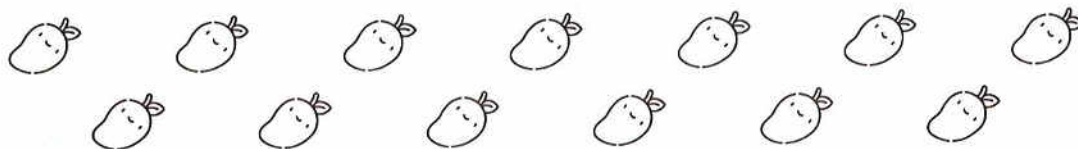


Color according to the number.

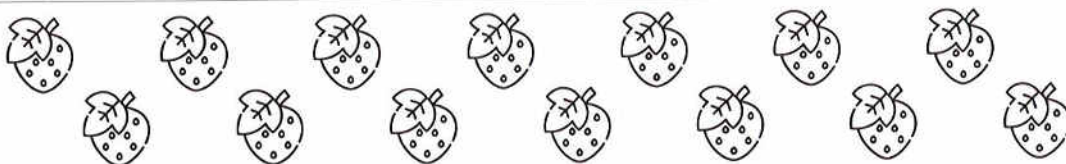
13



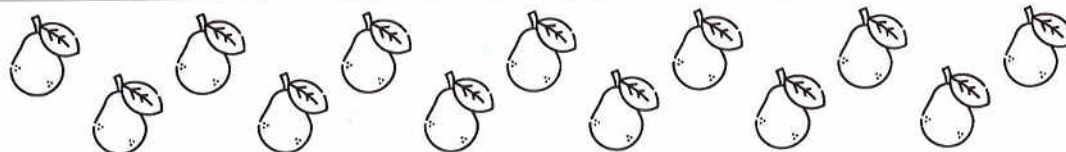
11



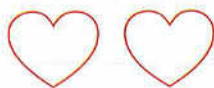
10



12



Complete drawing to get the given number.



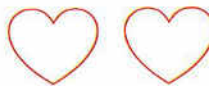
12



10



11

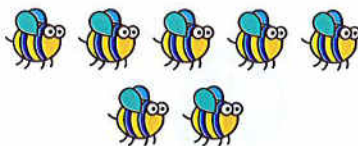


13

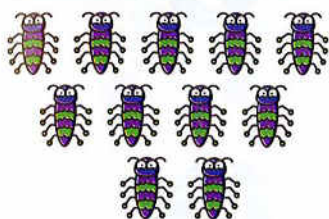


Count. Write how many there are of each.







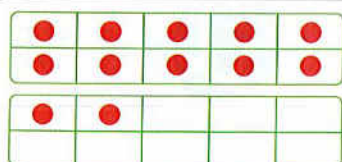


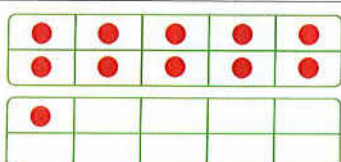


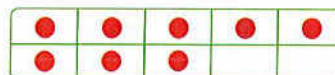


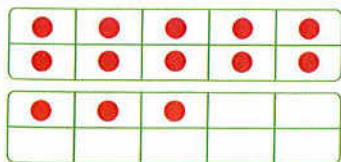


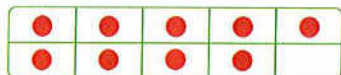
Count the dots. Write the number of dots.









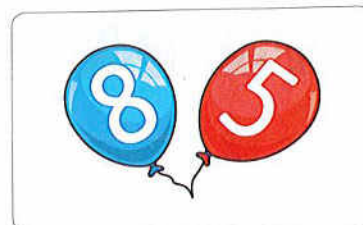
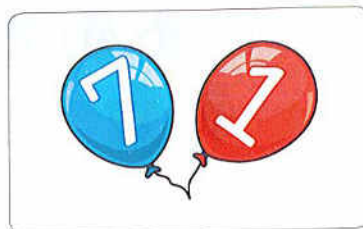




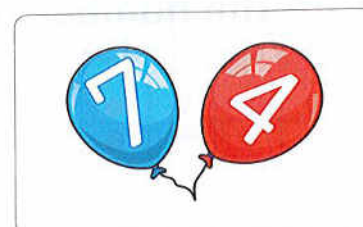
Greater than / Less than / Equal to



Circle the number that is greater in each box.







Circle the number that is less in each box.






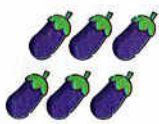


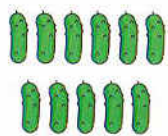
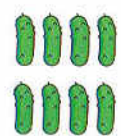
Write how many there are in each group. Circle the greater number.


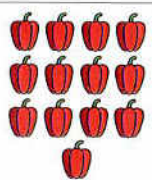
	
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_____	_____

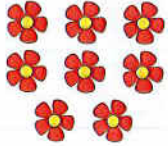
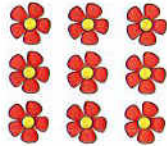
	
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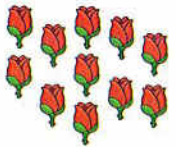
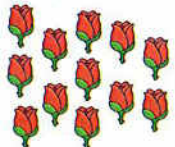


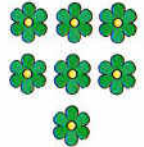
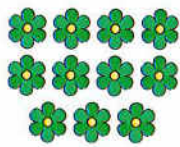
Write how many there are in each group. Circle the number that is less.

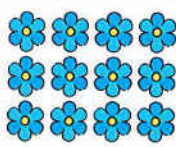
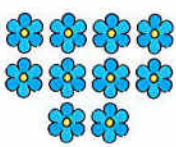
	
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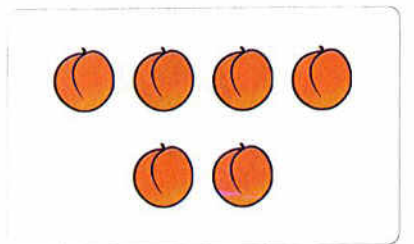
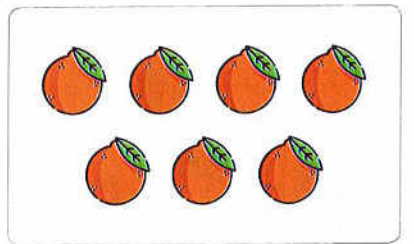
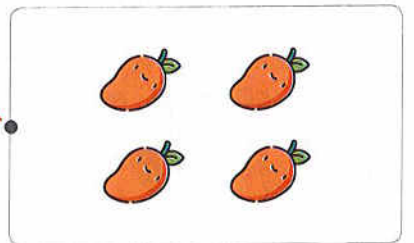
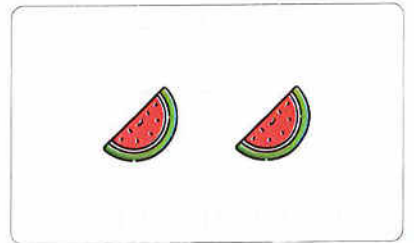
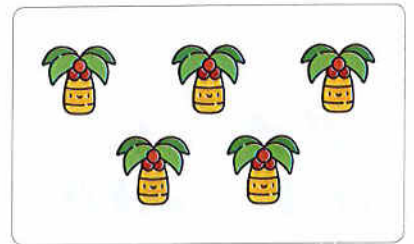
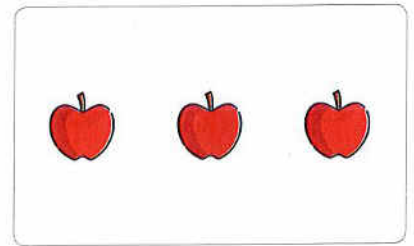
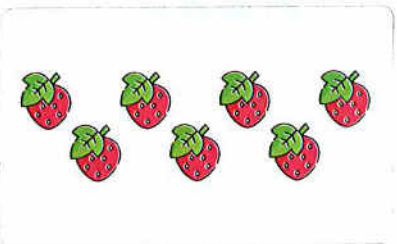
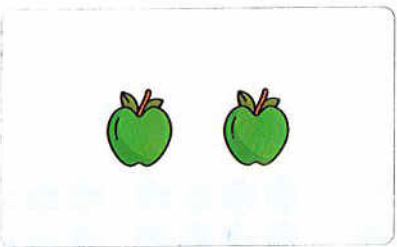
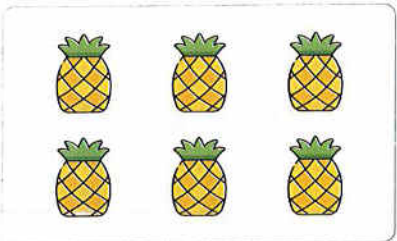
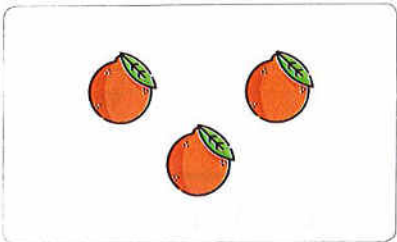
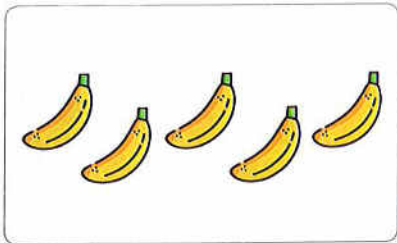
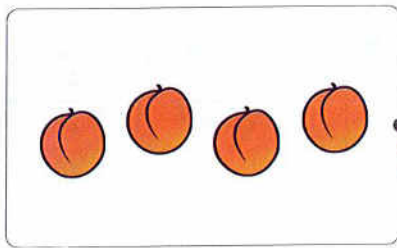
	
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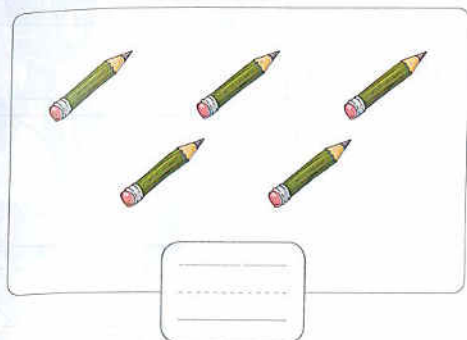


Match the groups that have the same number as the example.





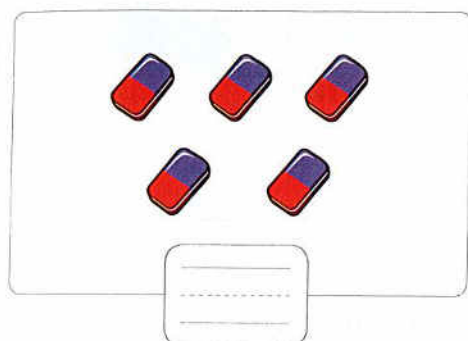
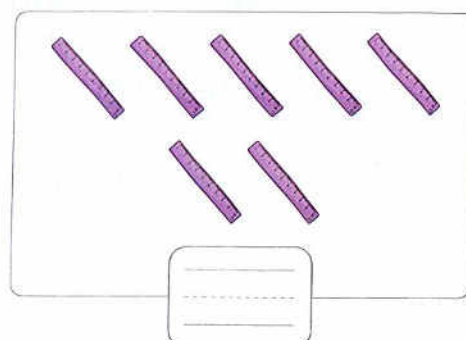
Count. Write the number. Choose the correct answer.



is greater than

is less than

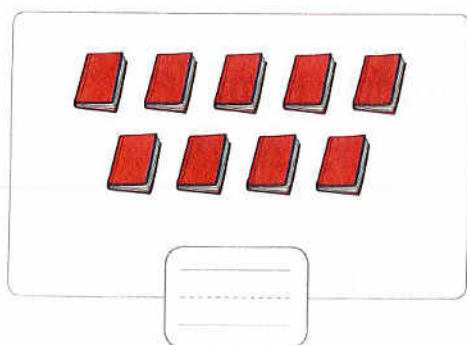
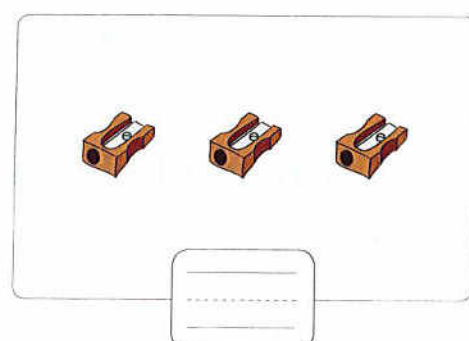
is equal to



is greater than

is less than

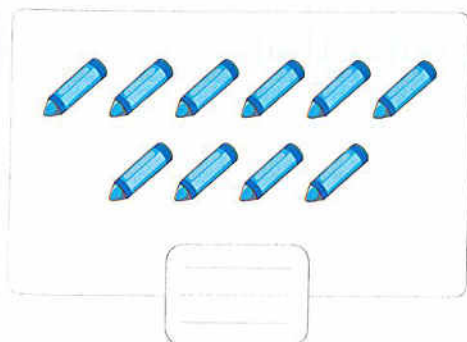
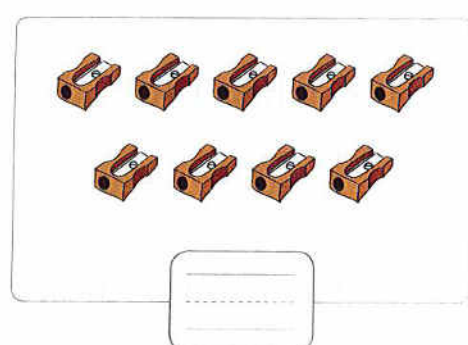
is equal to



is greater than

is less than

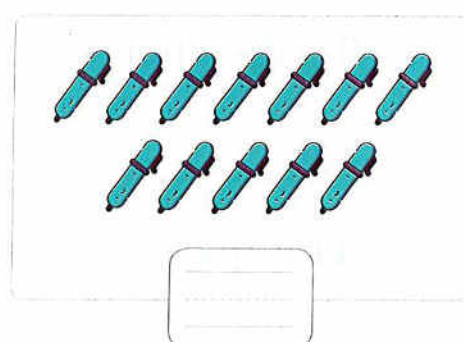
is equal to



is greater than

is less than

is equal to





Choose the correct answer.

- ☐ 7 is greater than _____ (8 or 5 or 9)
- ☐ 11 is less than _____ (10 or 9 or 12)
- ☐ 4 is greater than _____ (5 or 3 or 4)
- ☐ 10 is less than _____ (13 or 5 or 9)
- ☐ _____ is greater than 9 (6 or 11 or 7)
- ☐ _____ is less than 9 (4 or 12 or 13)



Write a suitable number.

6 is less than

8 is greater than

4 is less than

13 is greater than

2 is greater than

12 is less than

0 is less than

7 is greater than

11 is greater than

3 is less than



Put the numbers in their correct places.

3

6

is greater
than

4

9

is less
than

10

12

is greater
than

8

10

is less
than

9

5

is greater
than

11

7

is less
than

7

8

is greater
than

13

3

is less
than

4

13

is greater
than

12

11

is less
than

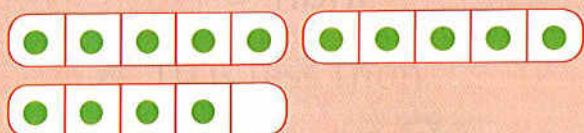
Place
a smiley
face

Lessons
21 & 22

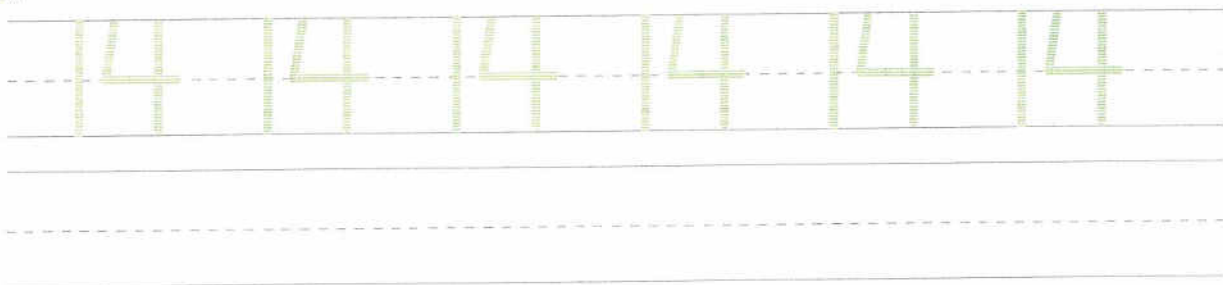
- Numbers 14 & 15
- Ordering numbers up to 15

14

Fourteen

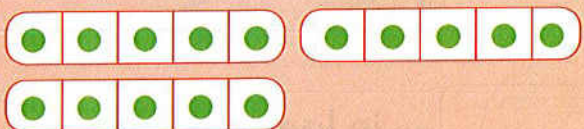


Trace and write.

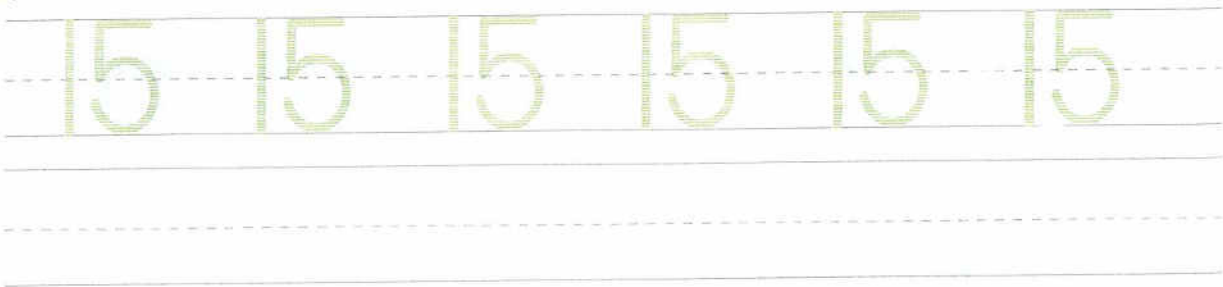


15

Fifteen



Trace and write.



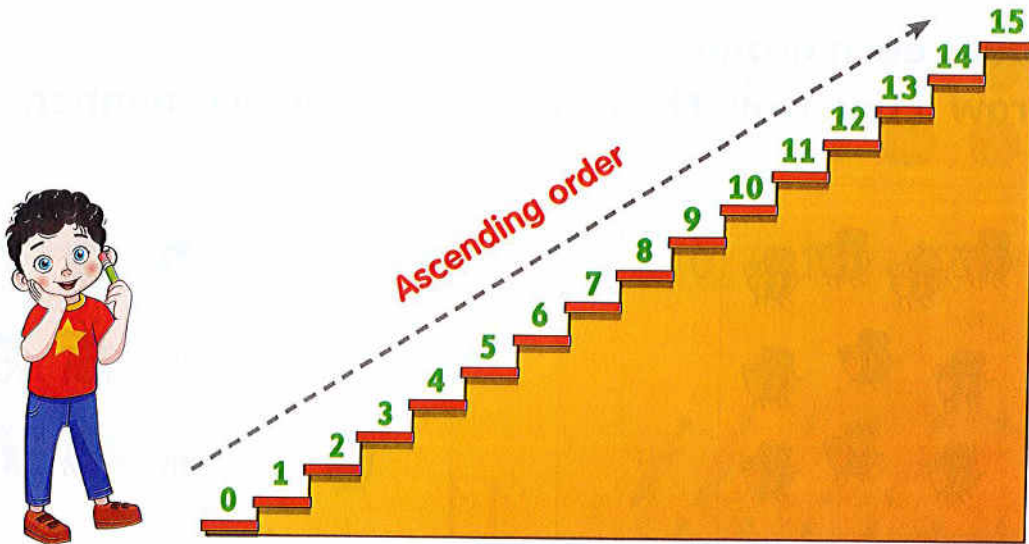
Notes for parents

- Ask your child to show numbers 14 and 15 using five and ten frames.

Ordering numbers

The ascending order

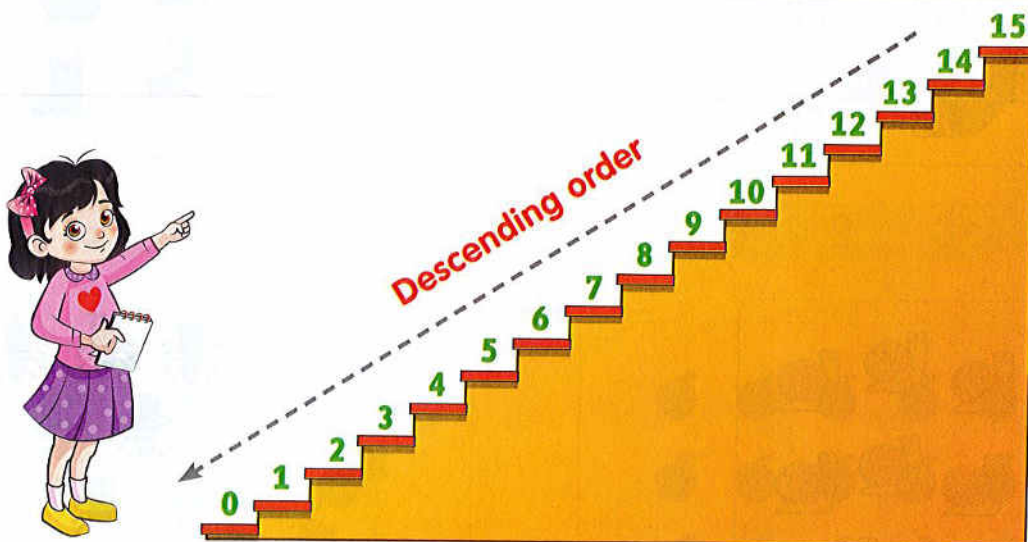
is arranging the numbers from least to greatest.



The numbers from 0 to 15 in an ascending order are
0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

The descending order

is arranging the numbers from greatest to least.



The numbers from 0 to 15 in a descending order are
15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0

• Ask your child count and write numbers from 0 to 15 in order.

Exercise

8

- Numbers 14 & 15
- Ordering numbers up to 15

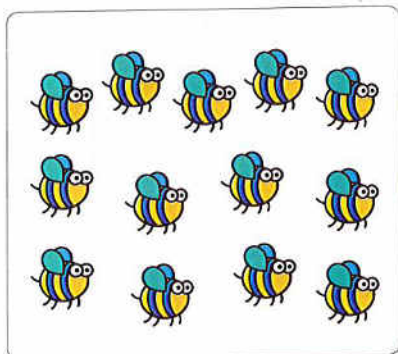
On Lessons 21 & 22

Numbers 14 & 15

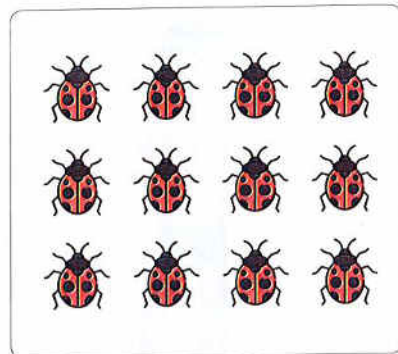


Count each group.

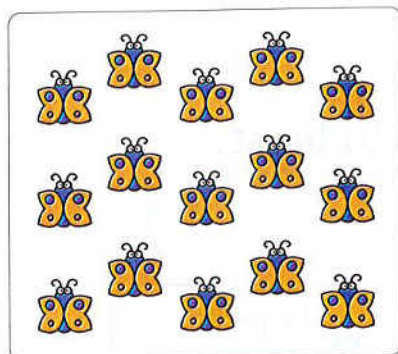
Draw a line from the group to the correct number.



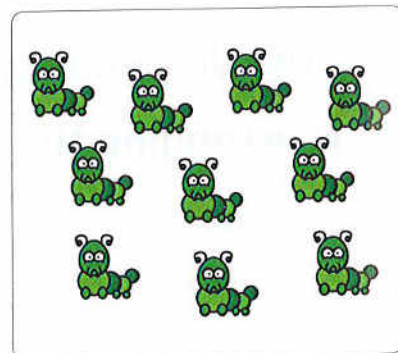
10



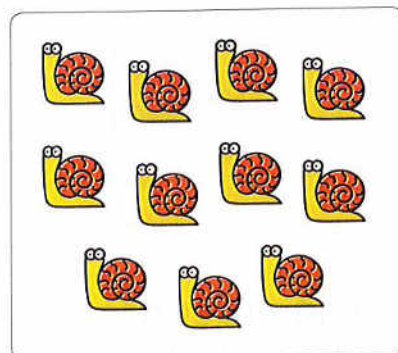
11



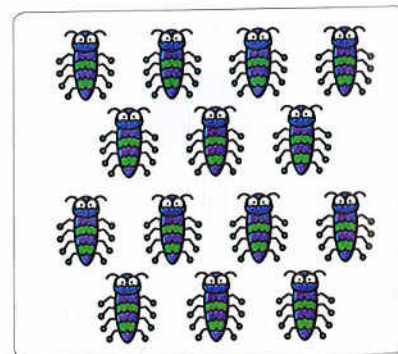
12



13



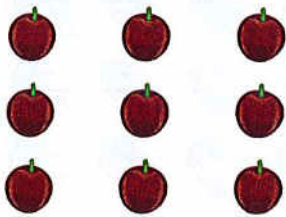
14



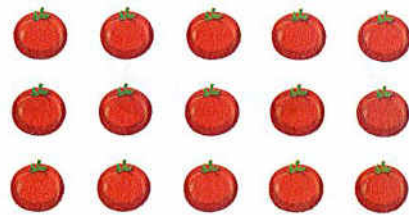
15



Count. Circle the correct number.



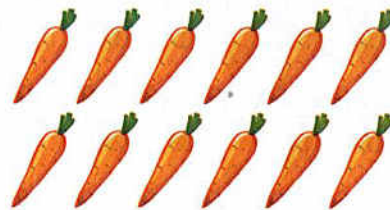
13 9 11



10 12 15



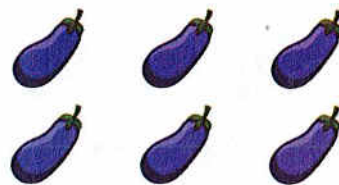
10 5 11



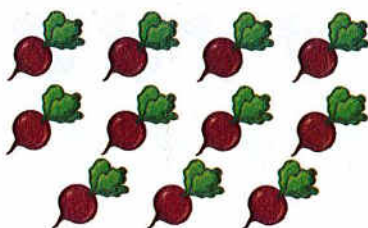
13 7 12



12 13 14



6 9 3



12 11 10



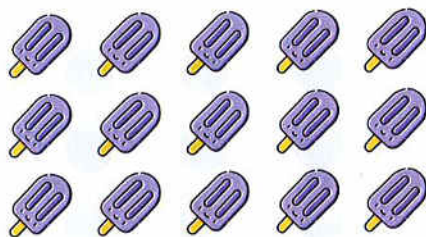
15 13 11



Choose.



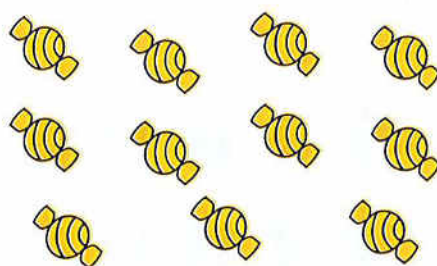
Four Ten Fourteen



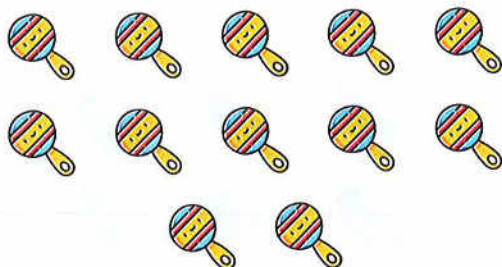
Thirteen Fourteen Fifteen



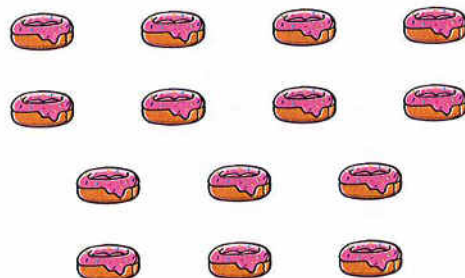
Nine Ten Fourteen



Eleven Fourteen Ten



Eleven Twelve Fourteen



Twelve Fourteen Fifteen



Seven Ten Eight



Eleven Ten Twelve



Join.

Fourteen

Seven

Four

One

Eleven

Five

Thirteen

Fifteen

Eight

Three

Twelve

Nine

15

1

7

12

4

8

9

3

5

14

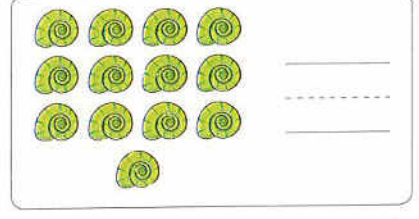
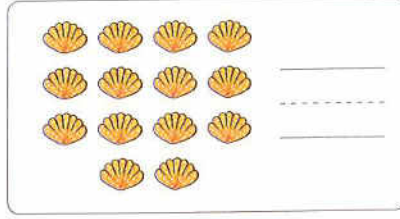
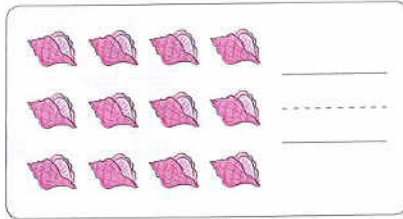
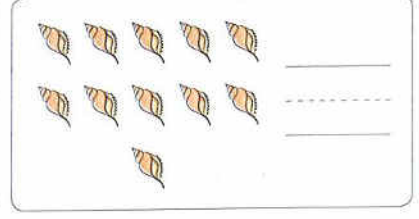
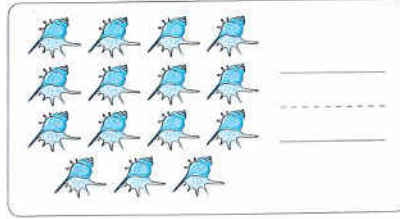
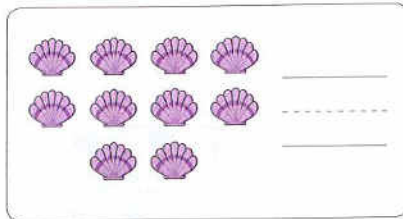
11

13

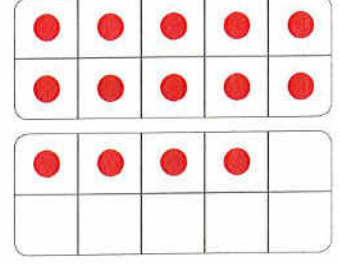
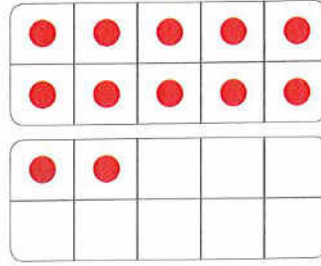
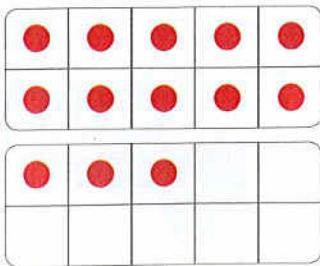
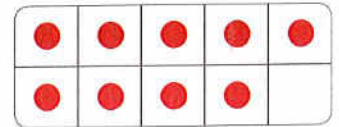
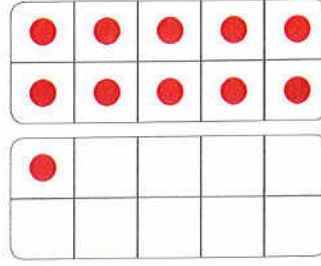
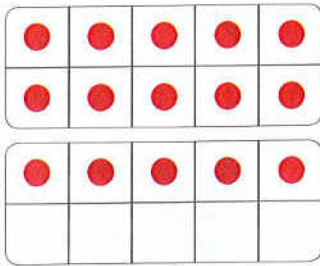




Count. Write how many there are of each.

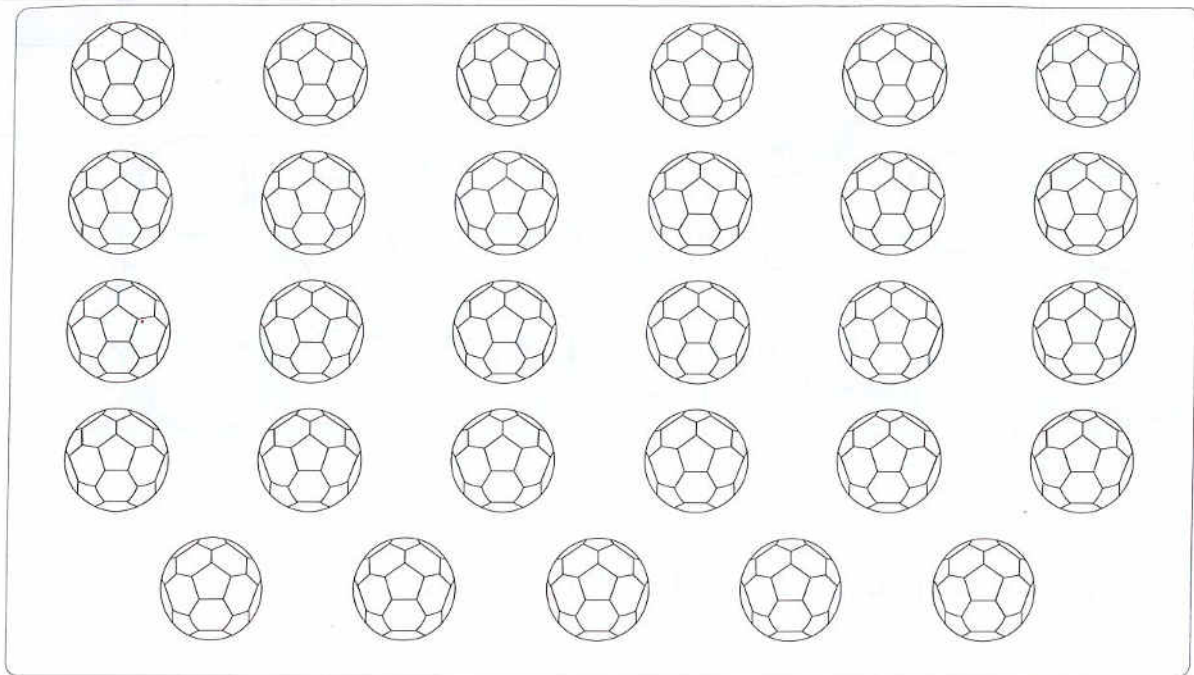



Count the dots. Write the number of dots.





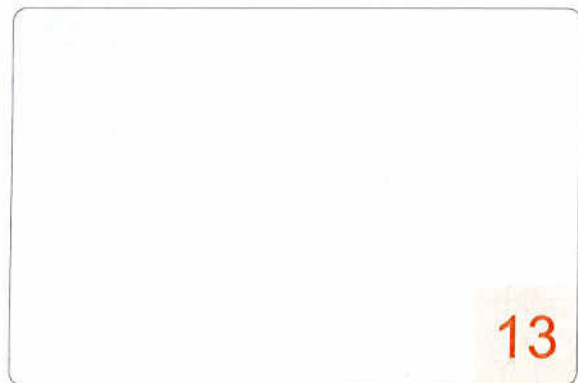
Color 15  red and 14  green.



Draw  according to the given number.



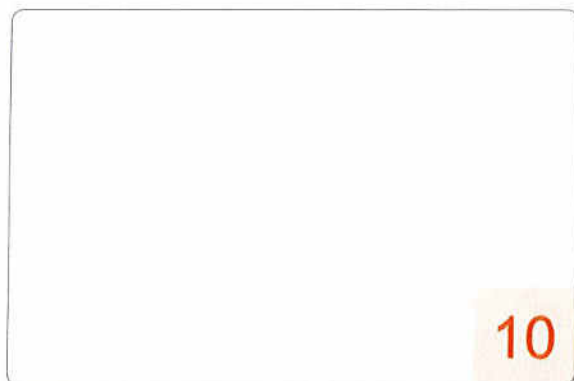
14



13



15

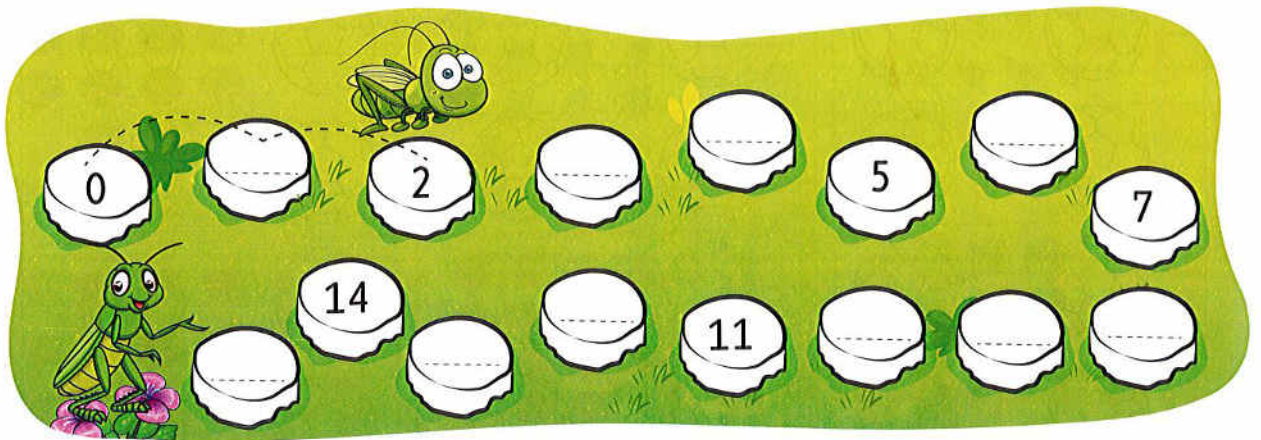


10

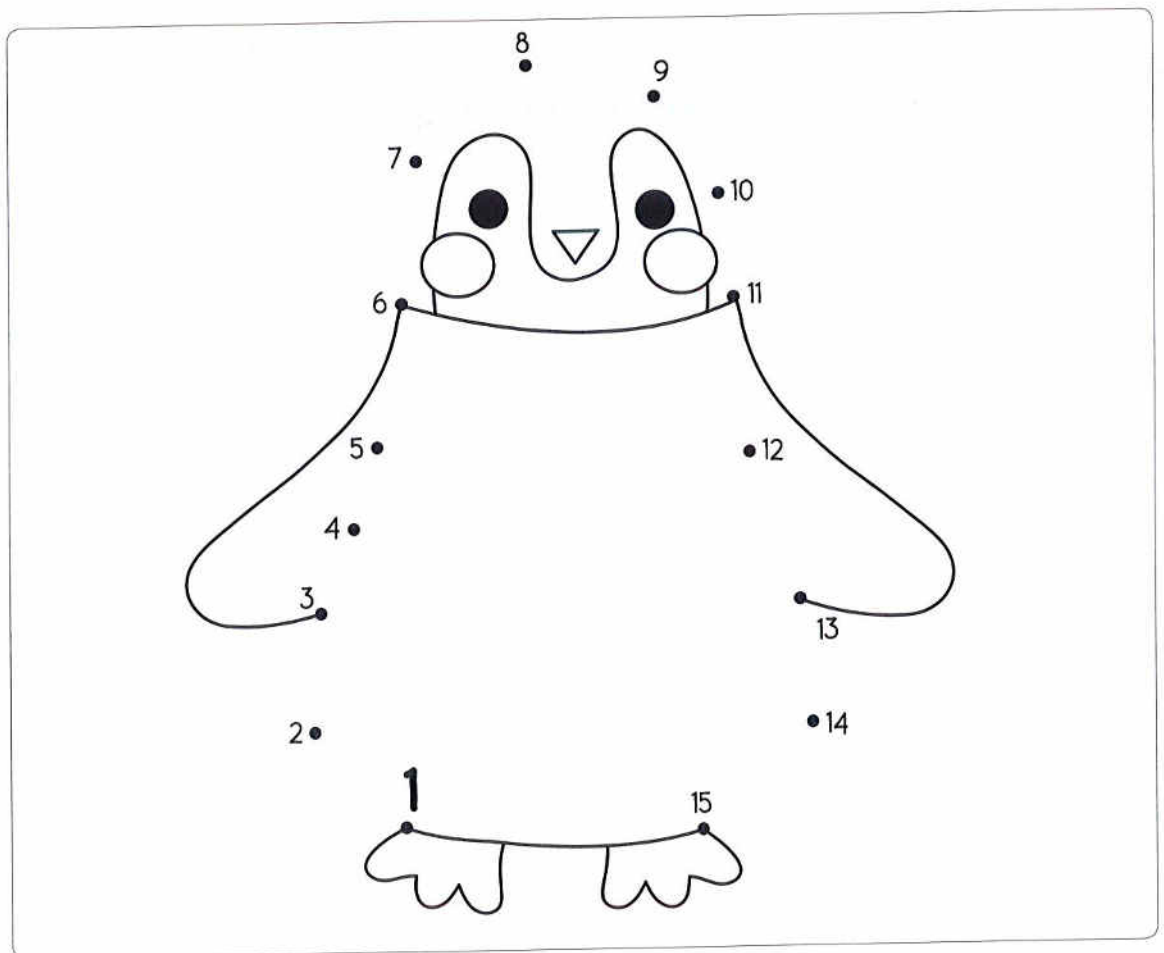
Ordering numbers



Count on. Write the missing numbers.

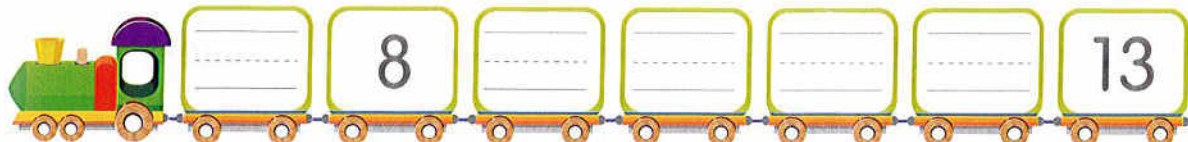
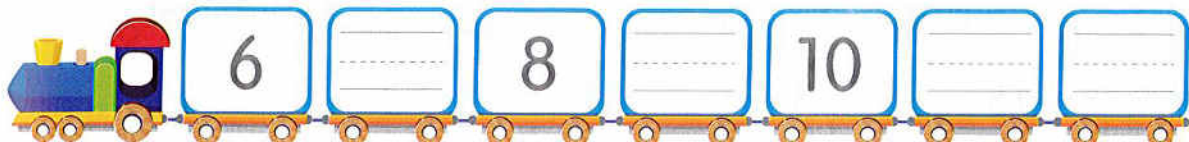


Join the numbers in order. Color the picture.

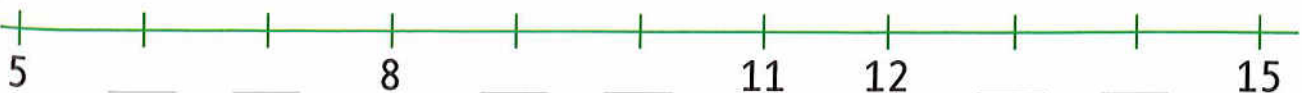
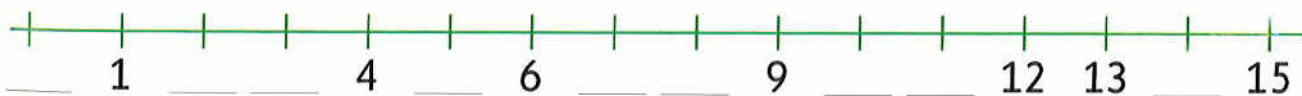




Write the missing numbers in each train.



Write the missing numbers on each number line.





Arrange the numbers from the smallest to the greatest.

7	5	12	9
_____	_____	_____	_____
smallest			greatest

8	13	6	4
_____	_____	_____	_____
smallest			greatest

15	3	10	2	1
_____	_____	_____	_____	_____
smallest				greatest

12	11	0	14	9
_____	_____	_____	_____	_____
smallest				greatest



Order the numbers from the greatest to the smallest.

2	7	13	8
_____	_____	_____	_____
greatest			smallest

1	9	12	15
_____	_____	_____	_____
greatest			smallest

5	14	10	4	11
_____	_____	_____	_____	_____
greatest				smallest

12	0	15	6	3
_____	_____	_____	_____	_____
greatest				smallest



Arrange in an ascending order.

9 , 11 , 15 , 2

7 , 0 , 10 , 14

6 , 12 , 8 , 2 , 7

9 , 5 , 15 , 10 , 6

14 , 3 , 9 , 12 , 10



Arrange in a descending order.

13 , 3 , 11 , 6

1 , 14 , 8 , 9

15 , 9 , 10 , 12 , 2

5 , 0 , 13 , 10 , 14

7 , 5 , 11 , 9 , 15





Complete.

- | | |
|------------------------------|------------------------------|
| ● 12 comes just after _____ | ● 14 comes just after _____ |
| ● 13 comes just before _____ | ● 14 comes just before _____ |
| ● _____ comes just after 10 | ● _____ comes just before 15 |
| ● 12 is 1 less than _____ | ● 14 is 1 less than _____ |
| ● 10 is 1 more than _____ | ● _____ is 1 less than 12 |
| ● _____ is 1 more than 14 | ● _____ is 1 more than 10 |



Write (✓) to the correct statement and (X) to the incorrect statement.

- | | |
|-----------------------------|-------------------------------|
| ● 15 is greater than 11 () | ● 15 comes just before 14 () |
| ● 14 is smaller than 10 () | ● 13 comes just after 14 () |
| ● 10 is 1 less than 9 () | ● 10 comes just before 11 () |
| ● 12 is 1 more than 11 () | ● 11 is 1 less than 10 () |



Choose.

- Which of the following are arranged in an ascending order ?
(7,9,12 or 15,9,4 or 6,9,8)
- Which of the following are arranged in a descending order ?
(10,7,12 or 12,5,0 or 6,3,4)





Greater than

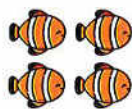
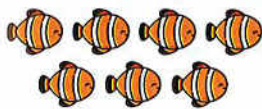


Less than



Equal to

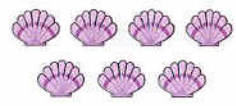
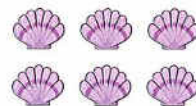
Greater than :



7 is greater than 4

$$7 > 4$$

Less than :



6 is less than 7

$$6 < 7$$

Equal to :



5 is equal to 5

$$5 = 5$$

Hint for parents :

Tell your child that the bigger part of the symbol - it almost looks like a wide open mouth - is pointing toward the greater number.

Notes for parents

- Give your child two numbers and ask your child to compare between them using symbols.

Exercise

9

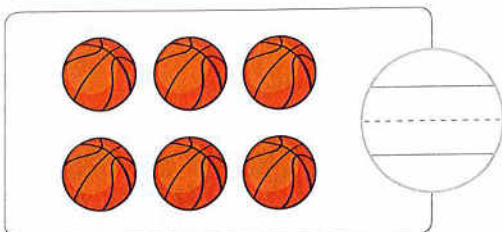
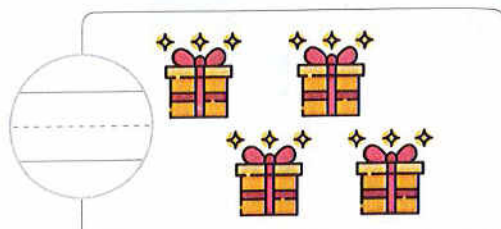
Comparing numbers using > , < and =

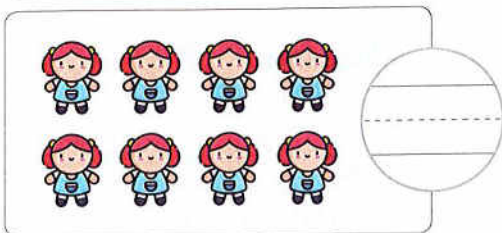
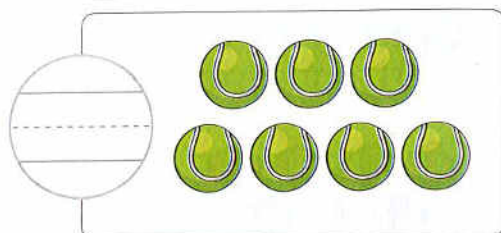
On Lessons 23 & 24

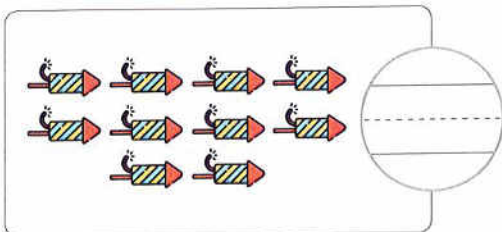
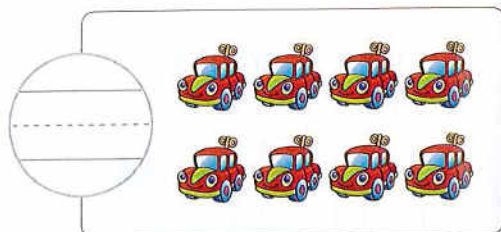


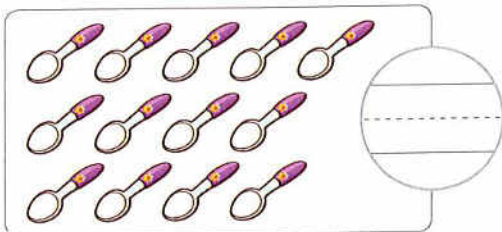
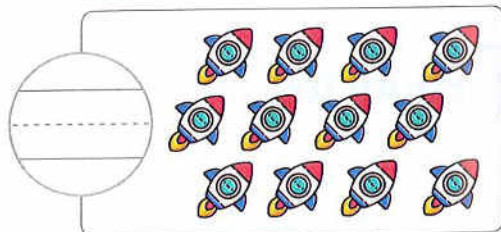
Write how many are in each group. Put the suitable symbol > , < or =.

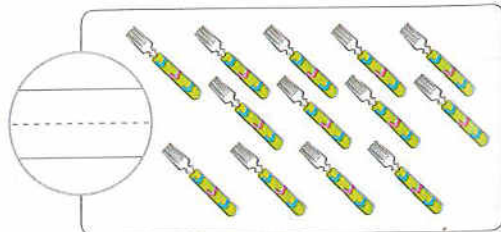


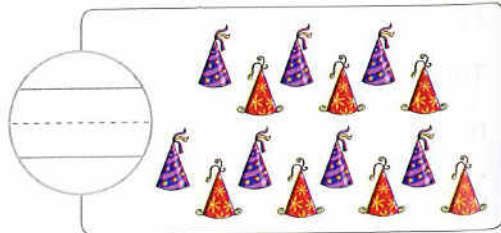














Write the number of dots. Complete with ($>$, $=$ or $<$).



Write the number of items. Compare with ($>$, $=$ or $<$).



Complete with ($>$, $<$ or $=$).

3 _____ 5

11 _____ 6

8 _____ 0

10 _____ 10

4 _____ 7

11 _____ 14

15 _____ 13

8 _____ 8

14 _____ 12

10 _____ 11

14 _____ 4

5 _____ 15

2 _____ 12

10 _____ 9

7 _____ 8



Complete with ($>$, $<$ or $=$).

ten _____ nine

seven _____ eleven

fourteen _____ fifteen

eight _____ four

7 _____ eight

zero _____ 10

twelve _____ 12

six _____ five

ten _____ seven

three _____ 11

fourteen _____ 13

thirteen _____ 14



Choose the correct answer.

5

<

7

4

3

13

>

10

14

15

8

>

9

2

11

7

=

7

6

8

>

3

0

5

1

<

1

3

6

0

4

>

5

10

3

>

9

8

12

7

14

<

9

15

10

=

10

8

9

10

<

12

11

13

14

9

>

7

11

13

>

8

6

8

12

>

13

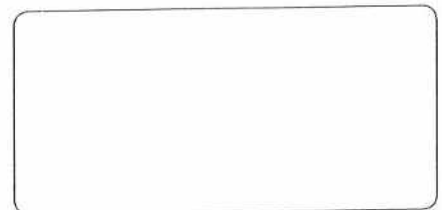
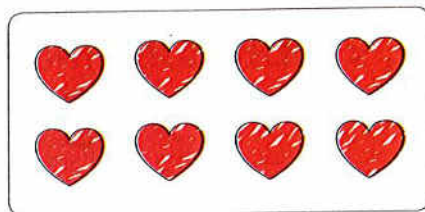
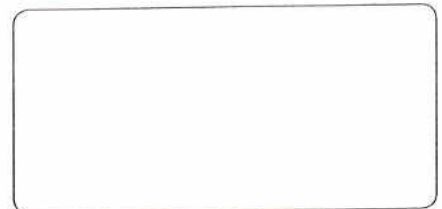
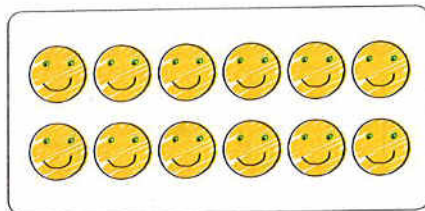
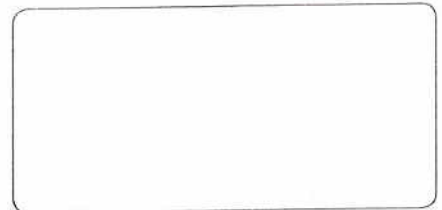
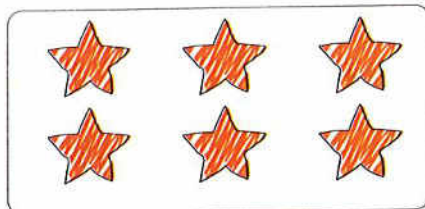
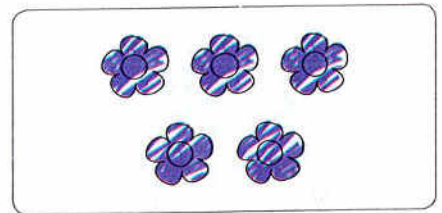
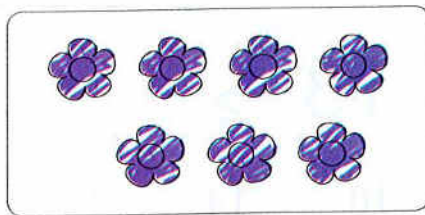
12

10

15



Draw a suitable number of items as in the example.



Complete with a suitable number.

$$\dots < 10$$

$$15 > \dots$$

$$13 < \dots$$

$$\dots > 11$$

$$\dots = 14$$

$$12 > \dots$$

$$9 < \dots$$

$$\dots > 0$$

$$\dots < 7$$

$$\dots = 13$$

$$6 < \dots$$

$$11 > \dots$$

Place
a smiley
face

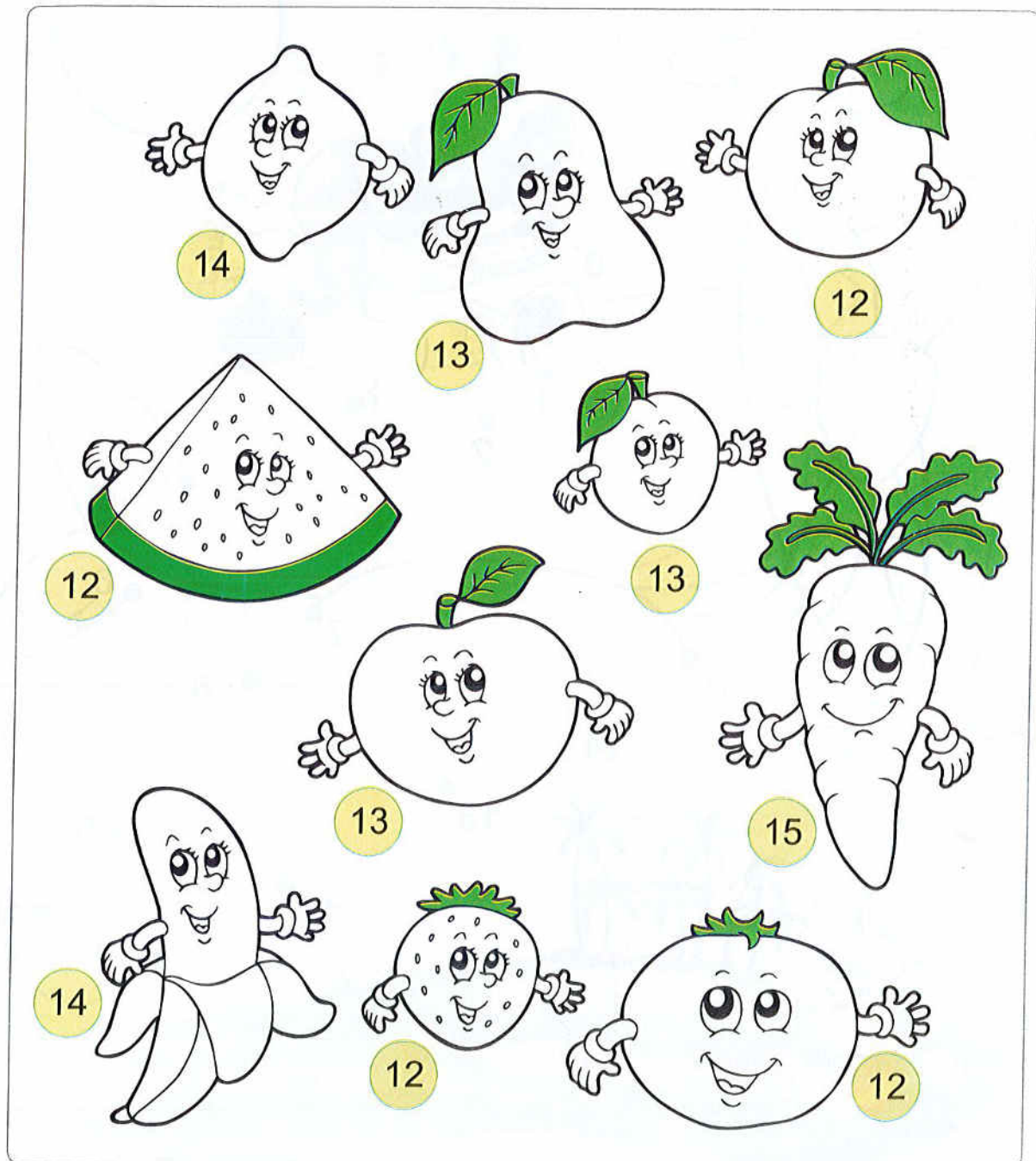


Art corner

Chapter 3

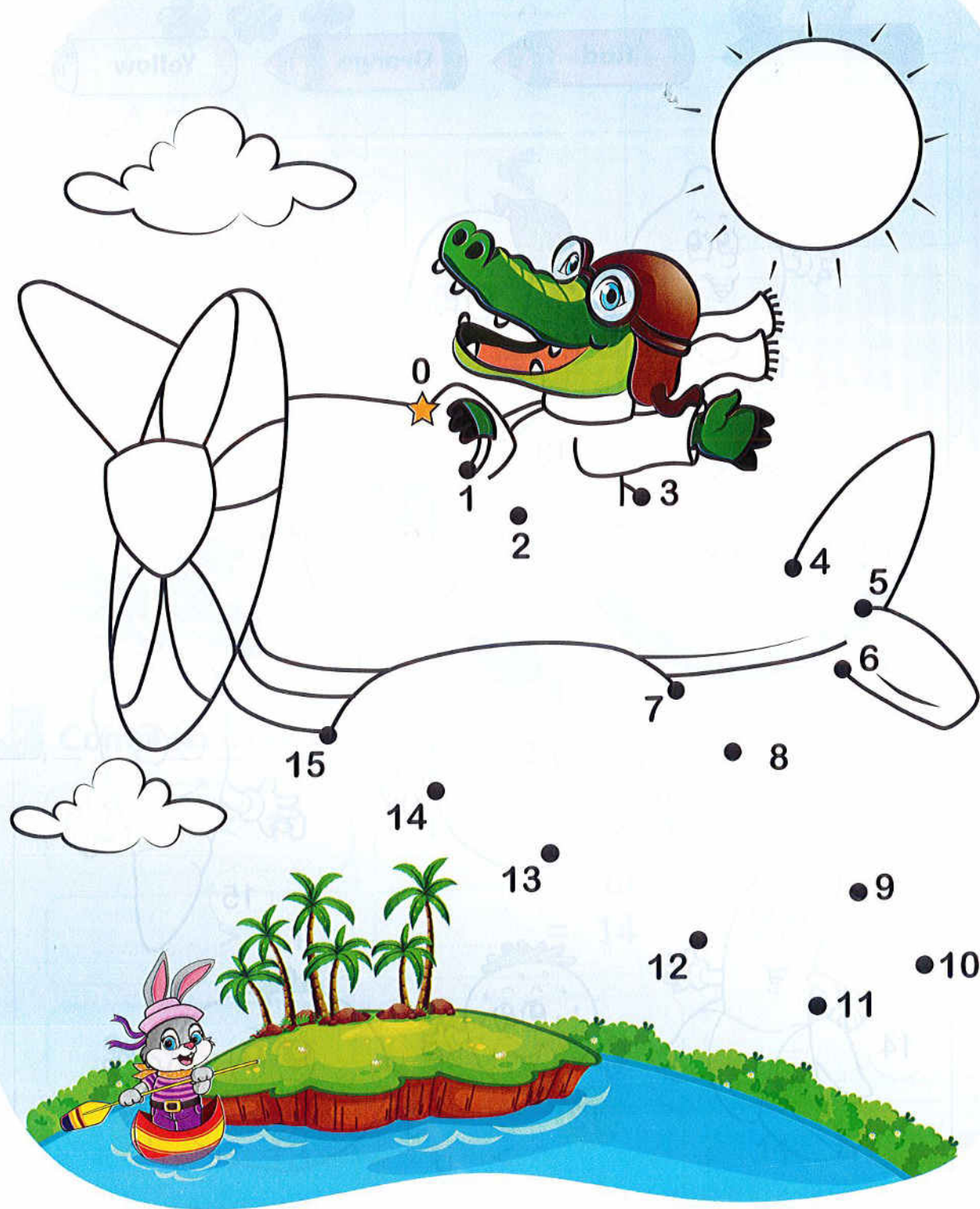


Color the picture.





Connect the dots from 0 to 15. Color the picture.





15 Yellow



CHAPTER

4



Outcomes and key vocabulary of chapter four :

Lessons 25 & 26

Outcomes :

- Participate in calendar math activities.
- Identify the days of the week that are today, tomorrow and yesterday.
- Count, read and write 16 and 17.
- Use objects to count numbers and find 10 more.

Key vocabulary :

- Today
- Yesterday
- Tomorrow
- 10 more

Lesson 27

Outcomes :

- Participate in calendar math activities.
- Identify the days of the week that are today, tomorrow and yesterday.
- Organize data into a picture graph.
- Answer questions about data in a picture graph.

Key vocabulary :

- Picture graph
- Data

Lessons 28 & 29

Outcomes :

- Participate in calendar math activities.
- Count, read and write 18 , 19 and 20.
- Create visual representations of 18 , 19 and 20.

Key vocabulary :

- Today
- Yesterday
- Tomorrow

Lesson 30

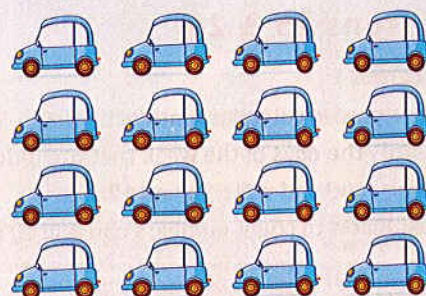
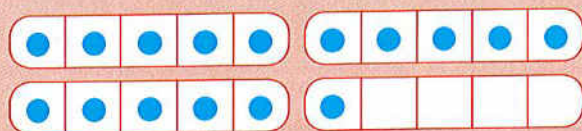
Outcomes :

- Participate in calendar math activities.
- Represent data using bar graph.
- Answer questions about data in a bar graph.

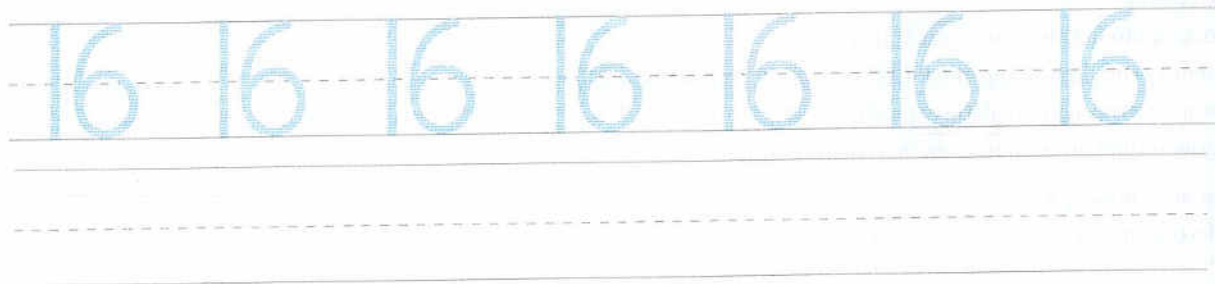
Key vocabulary :

- Today
- Yesterday
- Tomorrow
- Picture graph
- Bar graph

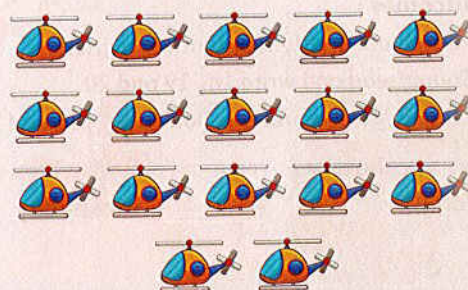
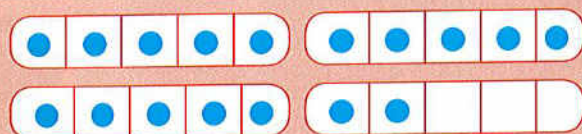
16 Sixteen



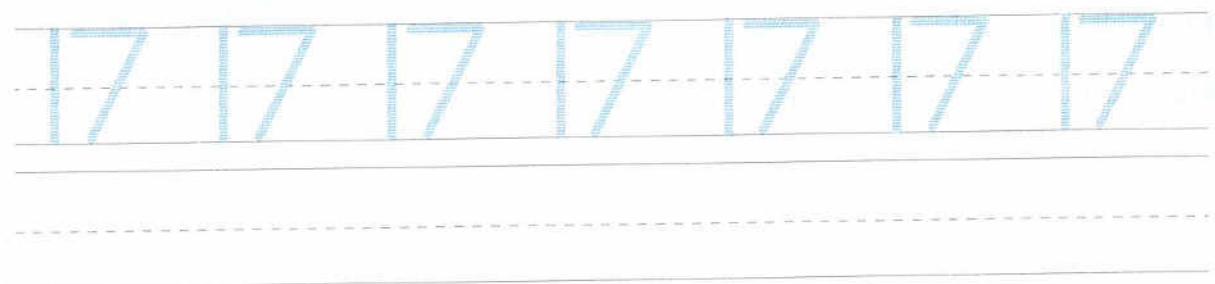
Trace and write.



17 Seventeen



Trace and write.



- Ask your child to make a train of 16 paper clips, and make another train of 17 paper clips.

Exercise 10

Numbers 16 & 17

On Lessons 25 & 26



Circle the number that shows how many.



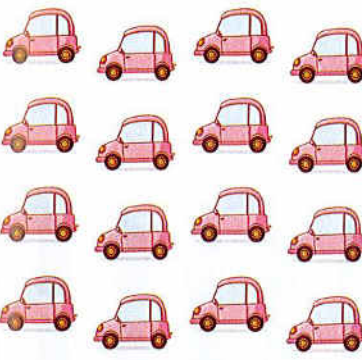
15 16 17




17 16 15



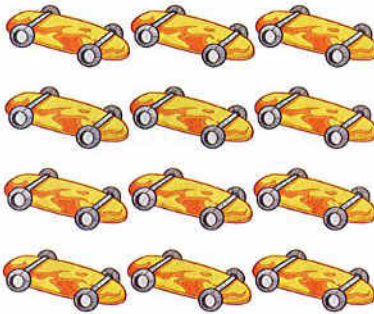
12 14 16



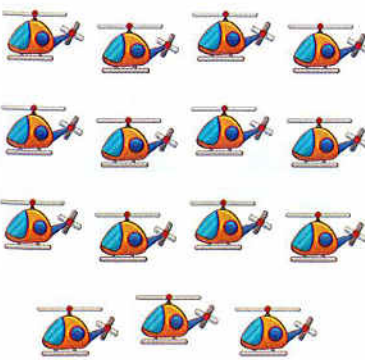
13 17 16




17 7 5



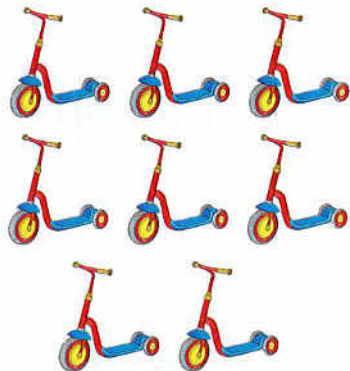
10 11 12



17 16 15



13 17 16



8 9 10



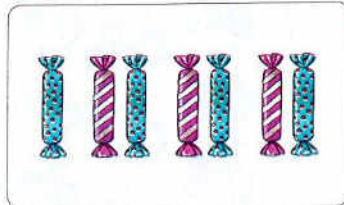
Join.

Seven



16

Seventeen



15

Fourteen



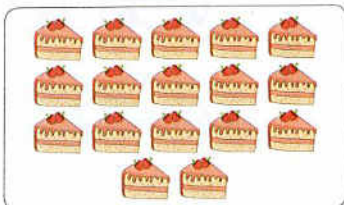
12

Sixteen



11

Eleven



17

Fifteen



7

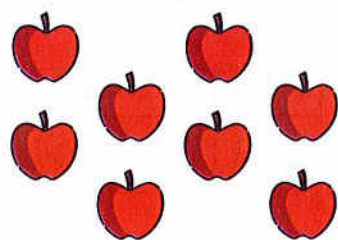
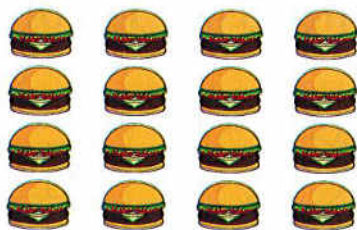
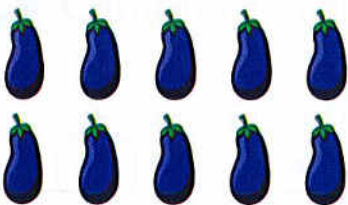
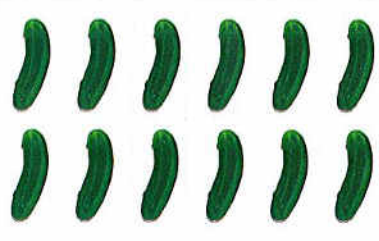
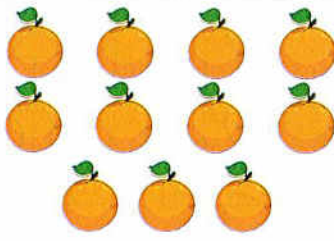
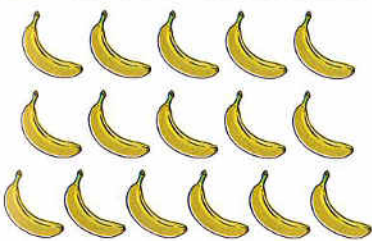
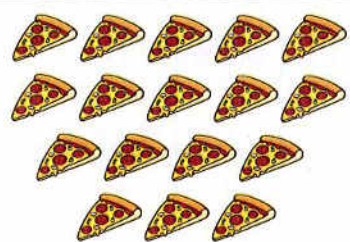
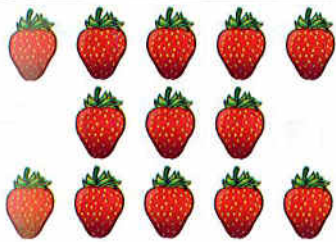
Twelve



14



Count. Write the number.





Write the number.

•	•	•	•	•
•	•	•	•	•
•	•	•		

•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•			

•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•				

•	•	•	•	•
•	•			

•	•	•	•	•
•	•	•	•	

•	•	•	•	•
•	•	•	•	•
•	•	•	•	

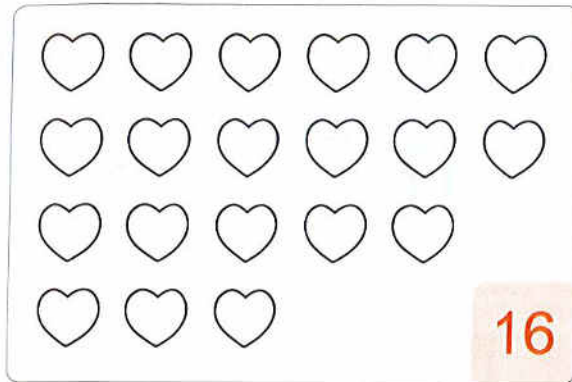
•	•	•	•	•
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•	•	•	•	•
•	•	•	•	•

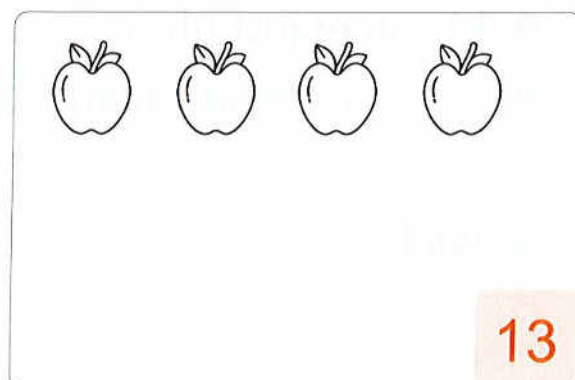
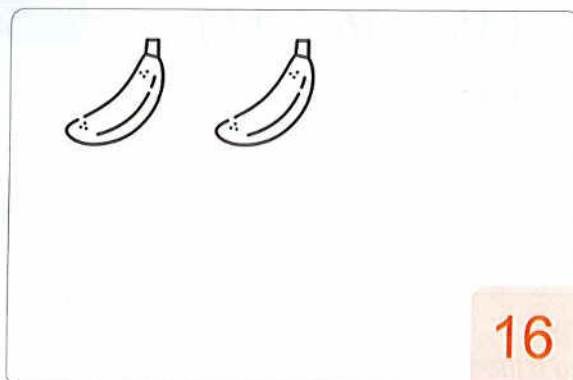
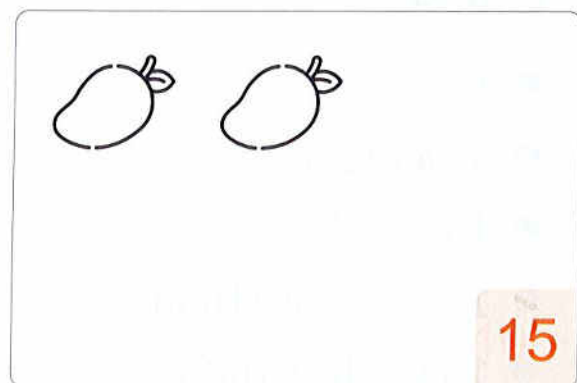
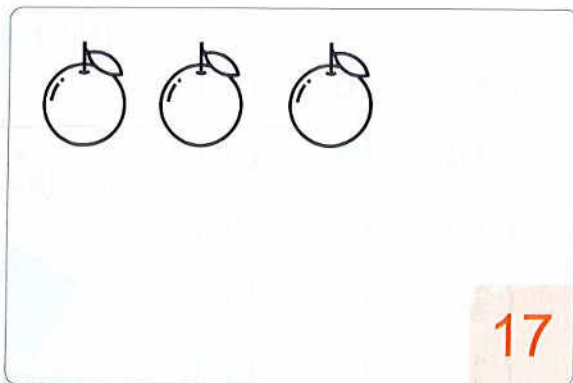
•	•	•	•	•
•	•	•	•	•
•	•			

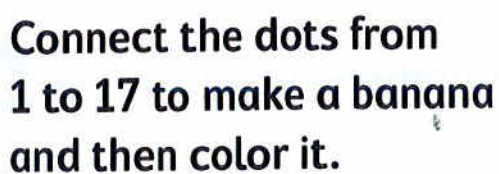


Color ♥ according to the given number.



Complete drawing to get the given number.





Complete.



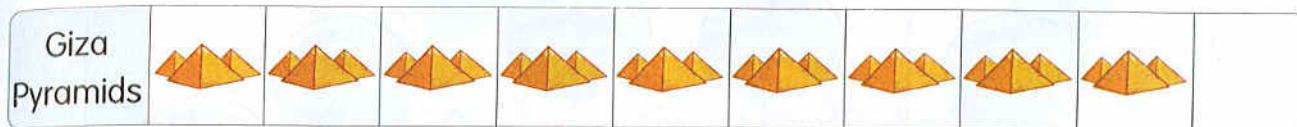
Choose.

- $16 < \underline{\hspace{2cm}}$ (15 or 16 or 17)
- Seventeen = $\underline{\hspace{2cm}}$ (14 or 16 or 17)
- $15 > \underline{\hspace{2cm}}$ (14 or 15 or 17)
- 16 is 1 more than $\underline{\hspace{2cm}}$ (15 or 16 or 17)
- 15 is 1 less than $\underline{\hspace{2cm}}$ (14 or 16 or 17)
- 16 comes just after $\underline{\hspace{2cm}}$ (15 or 16 or 17)
- $\underline{\hspace{2cm}}$ comes just before 17 (15 or 16 or 17)
- $\underline{\hspace{2cm}}$ comes just after 15 (14 or 16 or 17)
- Twelve comes just after $\underline{\hspace{2cm}}$ (11 or 12 or 13)



Place
a smiley
face

Here is a picture graph for the most favourite places for a picnic votes.




From the picture graph :


• Number of  = 9

• Number of  = 7

• Number of  = 8

• Number of  = 10

• The place that has got the most votes is 

• The place that has got the least votes is 

Notes for parents

- Make with your child a vote in the family about a place to go for a picnic using a picture graph.
- Ask your child to use picture graph to compare between pieces of information.

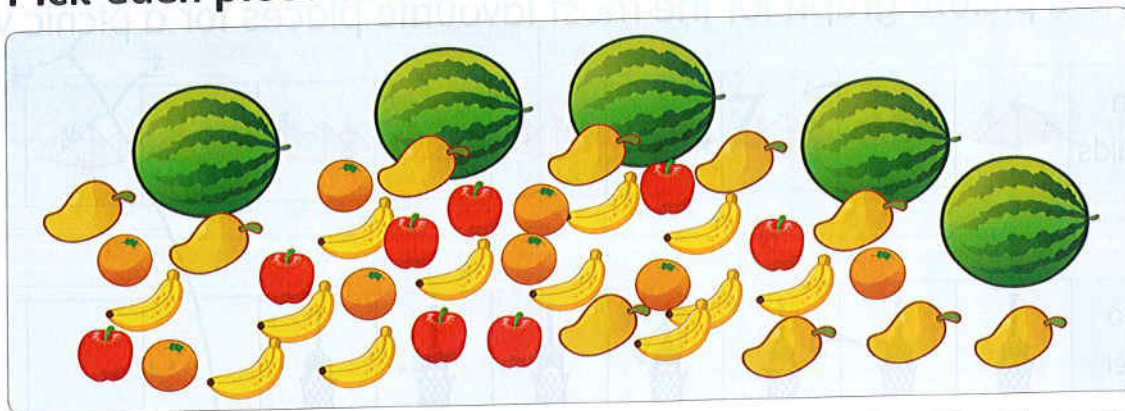
Exercise 11

Picture graph

On Lesson 27



Pick each piece of fruits and draw it in the suitable row.



Use the picture graph to complete.

• Number of =

• Number of =

• Number of =

• Number of =

• Number of =

Put (> , < or =).

• Number of

Number of

• Number of

Number of

• Number of

Number of

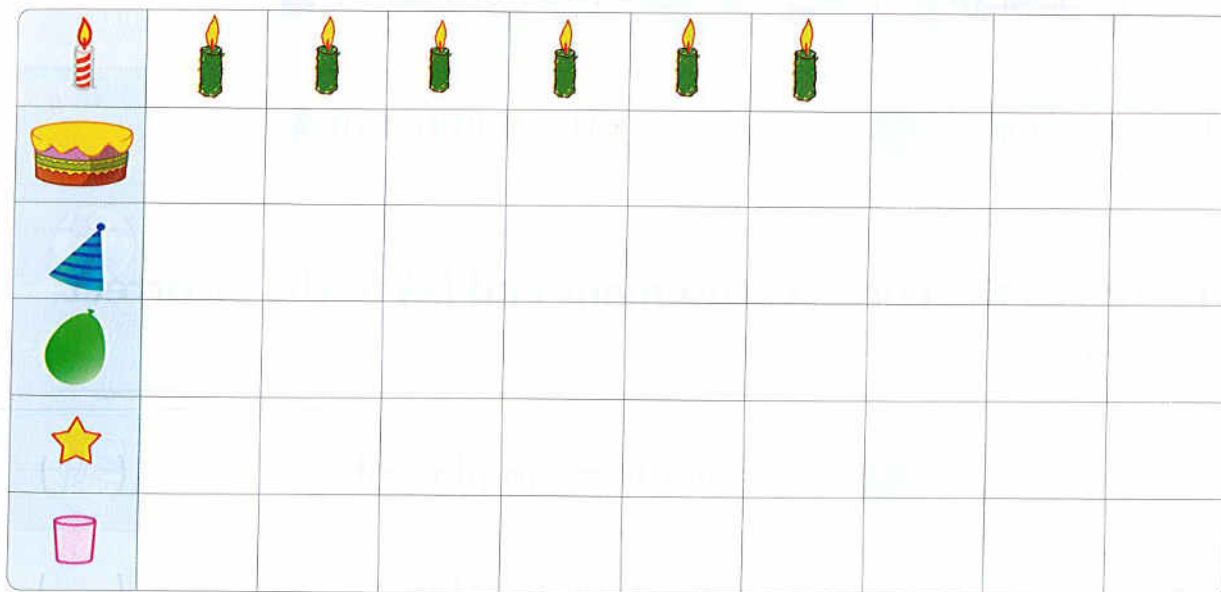
• Number of

Number of





Use the following picture to complete the picture graph.



Mark ✓ for the correct choice.

- What object has the most number ?


☐

☐

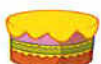
☐

☐

☐

☐

- What object has the least number ?


☐

☐

☐

☐

☐

☐

Put ($>$, $<$ or $=$).

• Number of



Number of



• Number of



Number of



• Number of



Number of



• Number of




Number of



Complete.

• The number of  = _____

• The number of  = _____



• The number of  = _____



• The number of  = _____



• The number of  = _____



• The number of  = _____



Write (\checkmark) to the correct statement and (\times) to the incorrect statement.

• The number of  is greater than number of  ()

• The number of  is smaller than number of  ()

• The number of  is greater than number of  ()





• The number of  is equal to the number of  ()

• The number of  is greater than number of  ()



Use the following picture to complete the picture graph.



Put (> , < or =).

• Number of



Number of



• Number of



Number of



• Number of

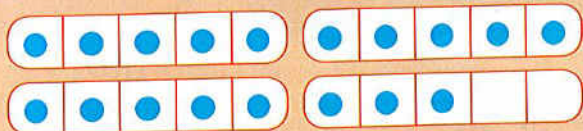


Number of

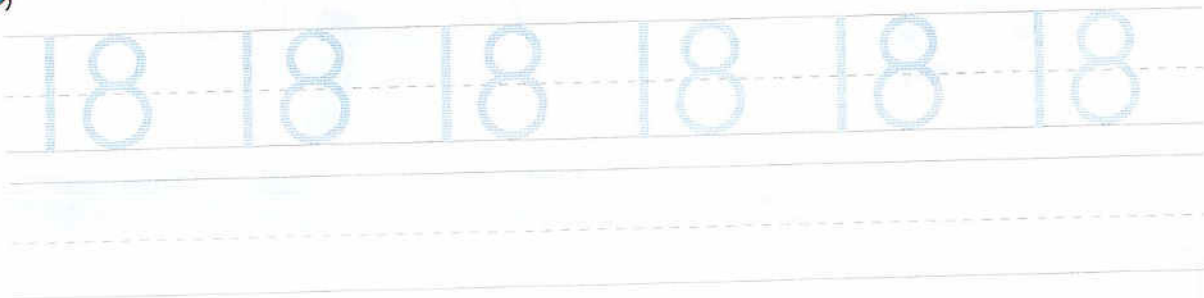


Place
a smiley
face

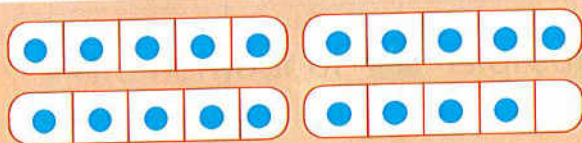
18 Eighteen



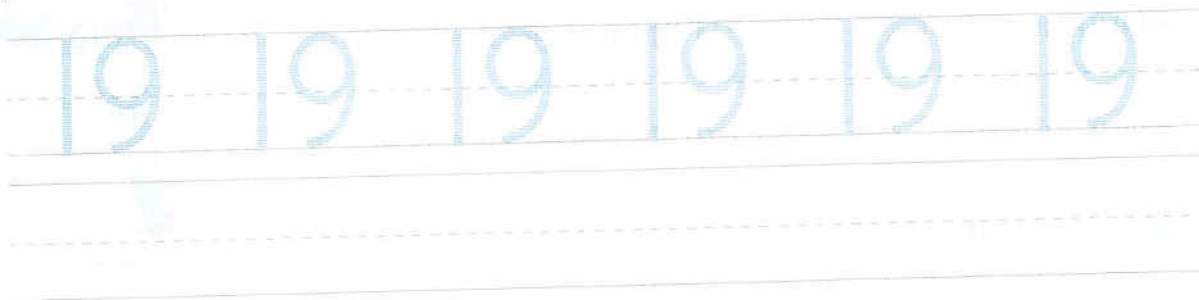
Trace and write.



19 Nineteen

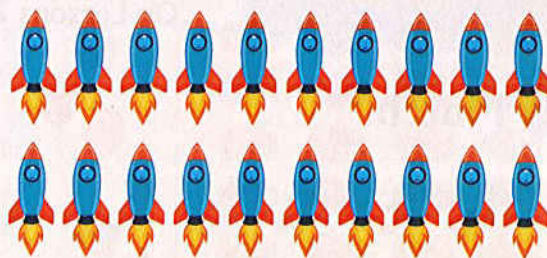
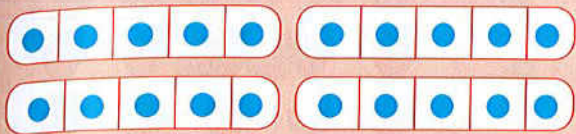


Trace and write.



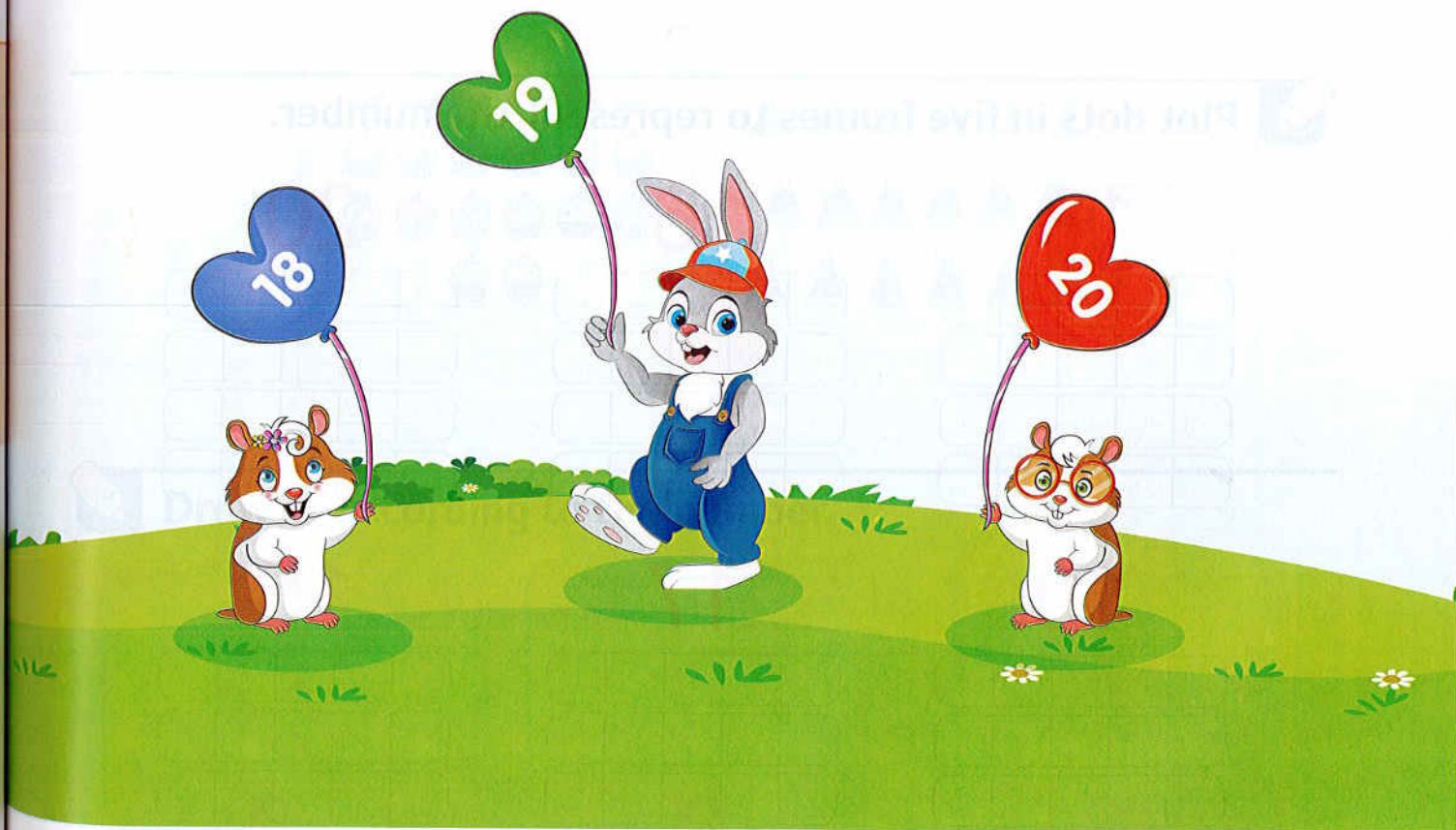
20

Twenty



Trace and write.

20 20 20 20 20



• Give your child small objects and ask him/her to set them in group of 18, 19 and 20.

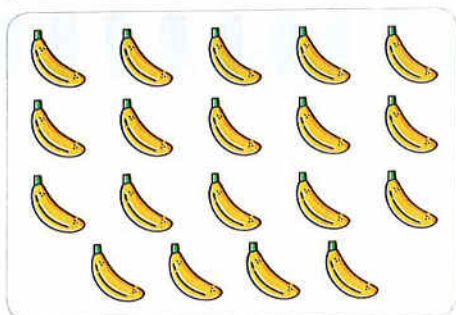
Exercise 12

Numbers 18, 19 and 20

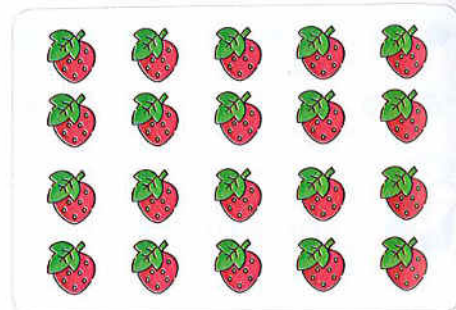
On Lessons 28 & 29



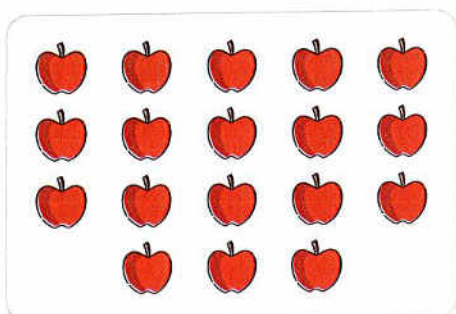
Match.



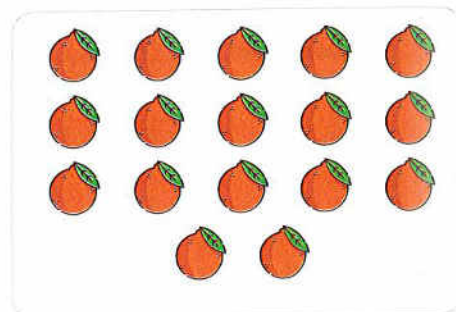
17



18



19



20



Plot dots in five frames to represent the number.

18

16

20

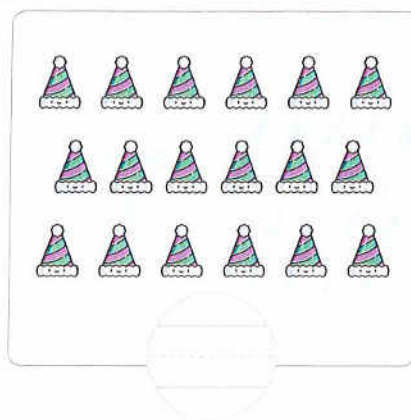
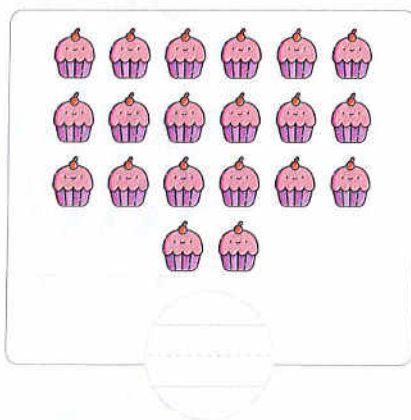
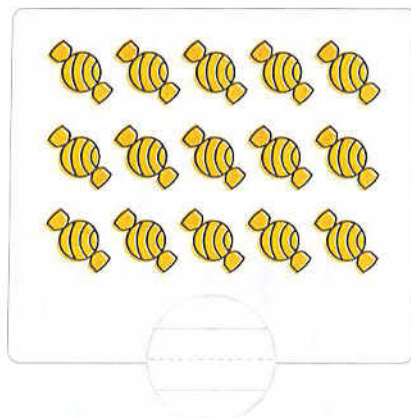
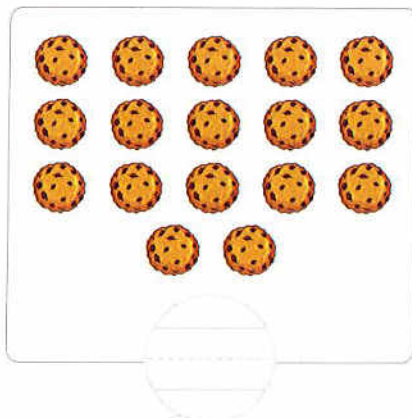
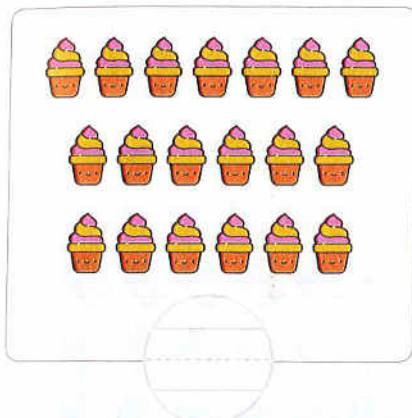
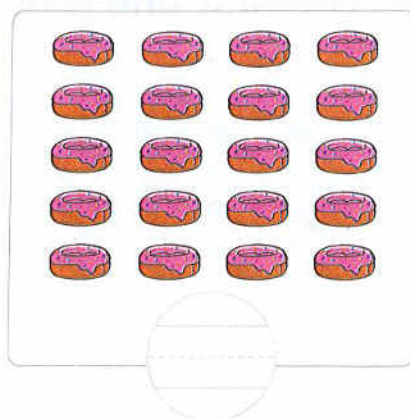
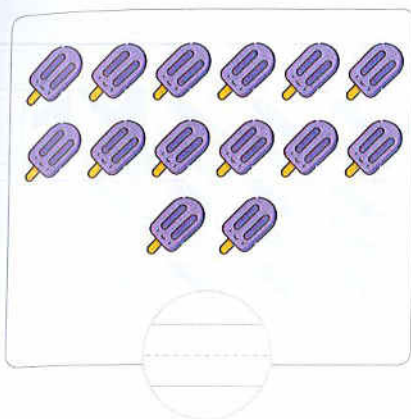
19

17

15



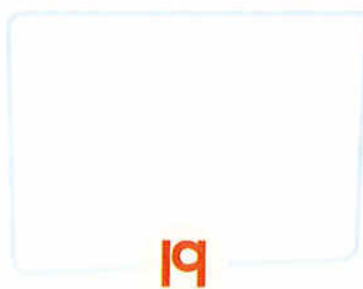
Count. Write the correct number.



Draw ● according to the number.



18



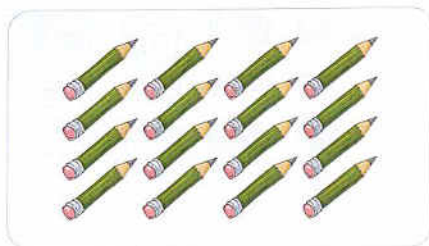
19



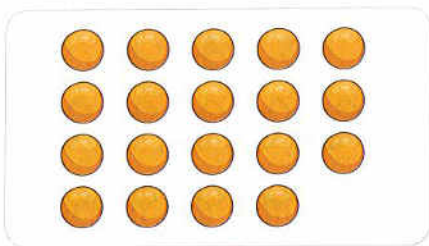
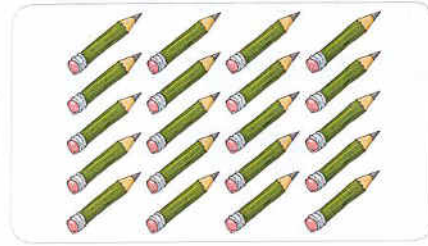
20



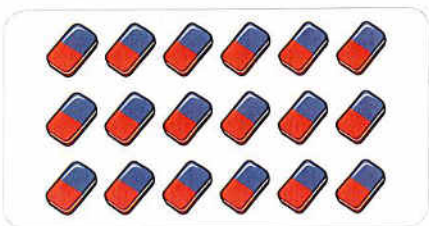
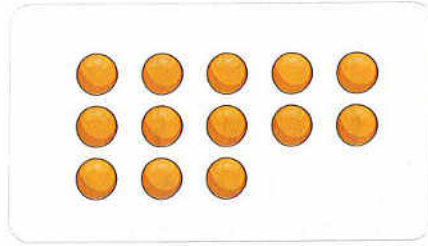
Write the number, then put a suitable symbol ($>$, $<$ or $=$).
The first one is done for you.



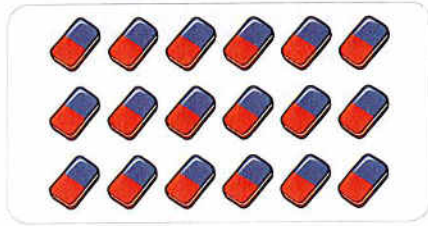
16 $<$ 20



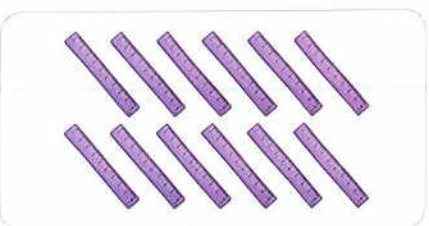
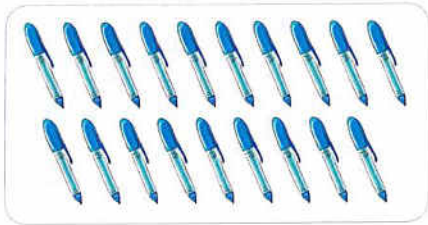
.....



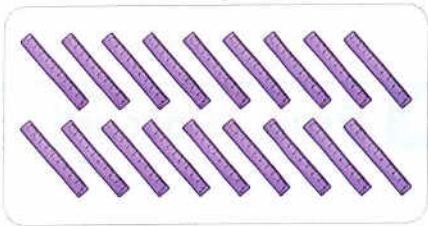
.....



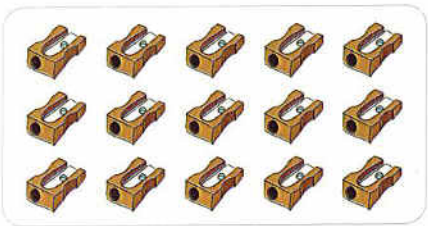
.....



.....



.....





Write the number that comes just after.

14

19

16

12

13

9

17

7

18



Write the number that comes just before.

11

17

13

20

14

19

15

18

8



Arrange in an ascending order.

- 17 , 10 , 20 , 8

The order is : _____

- 9 , 3 , 19 , 11 , 6

The order is : _____



Arrange in a descending order.

- 14 , 8 , 18 , 15

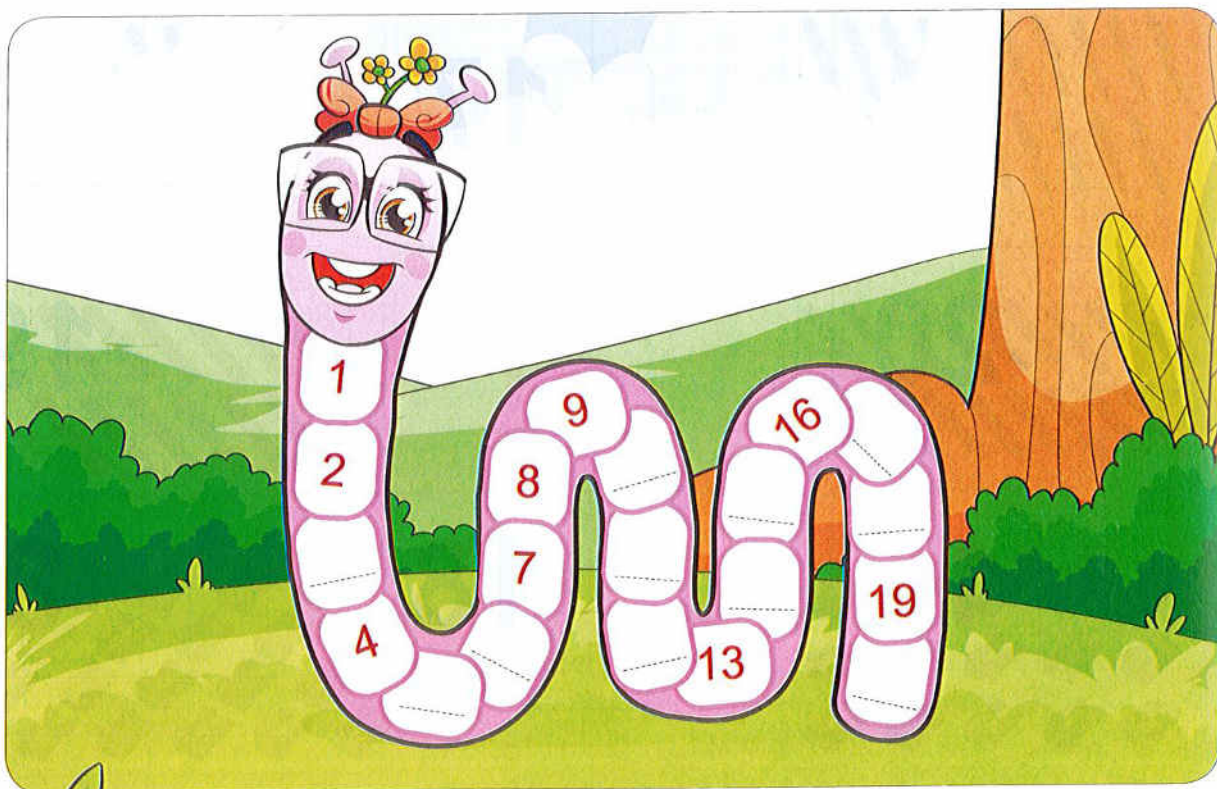
The order is : _____

- 13 , 4 , 9 , 20 , 2

The order is : _____



Complete.





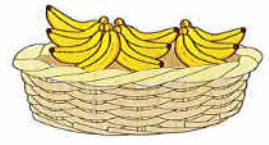
Choose the correct answer.

- 15 _____ 17 ($>$ or $=$ or $<$)
- 20 _____ 19 ($>$ or $=$ or $<$)
- 18 comes just after _____ (19 or 18 or 17)
- 14 comes just before _____ (13 or 15 or 16)
- 19 comes just before _____ (18 or 19 or 20)
- 9 comes just after _____ (10 or 8 or 11)
- _____ comes just before 18 (19 or 17 or 10)
- _____ comes just after 15 (16 or 17 or 18)
- $16 >$ _____ (18 or 17 or 13)
- $14 <$ _____ (20 or 11 or 9)
- _____ > 15 (13 or 8 or 19)
- _____ < 18 (19 or 16 or 20)
- _____ > 19 (18 or 9 or 20)
- 15 is less than _____ (9 or 12 or 18)
- 11 is more than _____ (20 or 19 or 9)
- _____ is less than 9 (8 or 12 or 13)
- _____ is more than 12 (10 or 15 or 7)

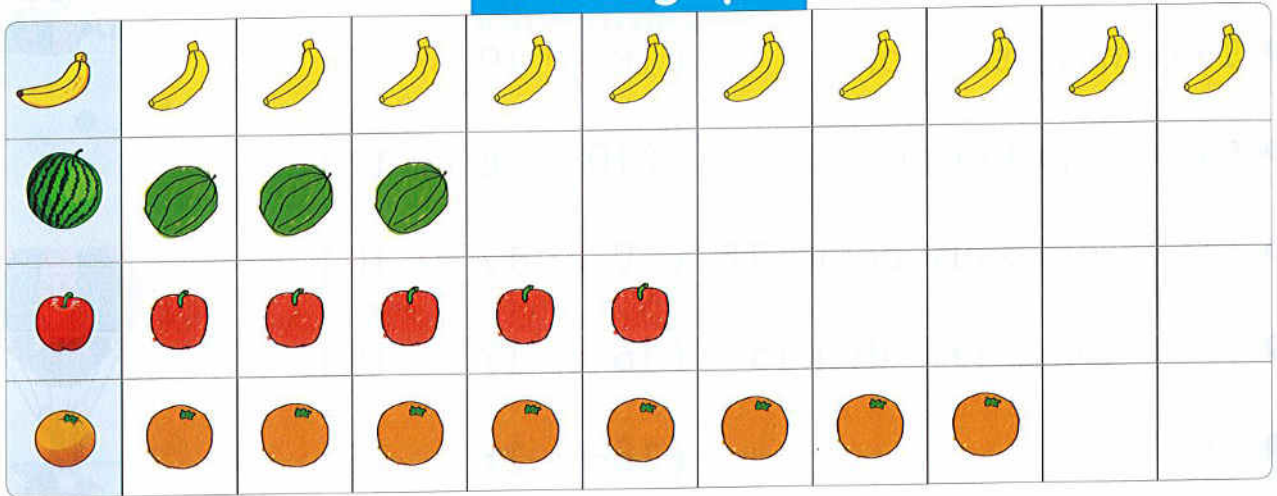


Place
a smiley
face

Picture graph and bar graph



Picture graph



Bar graph



Notes for parents

- Make with your child a bar graph using number of tools on his/her table such as: spoons, forks, cups and knives.

Exercise 13

Bar graph

On Lesson 30



Color according to the number of each item in the picture.



7					
6					
5					
4					
3					
2					
1					

Mark ✓ for the correct choice.

- The most number is of



- The least number is of





Color according to the number of each item in the picture.

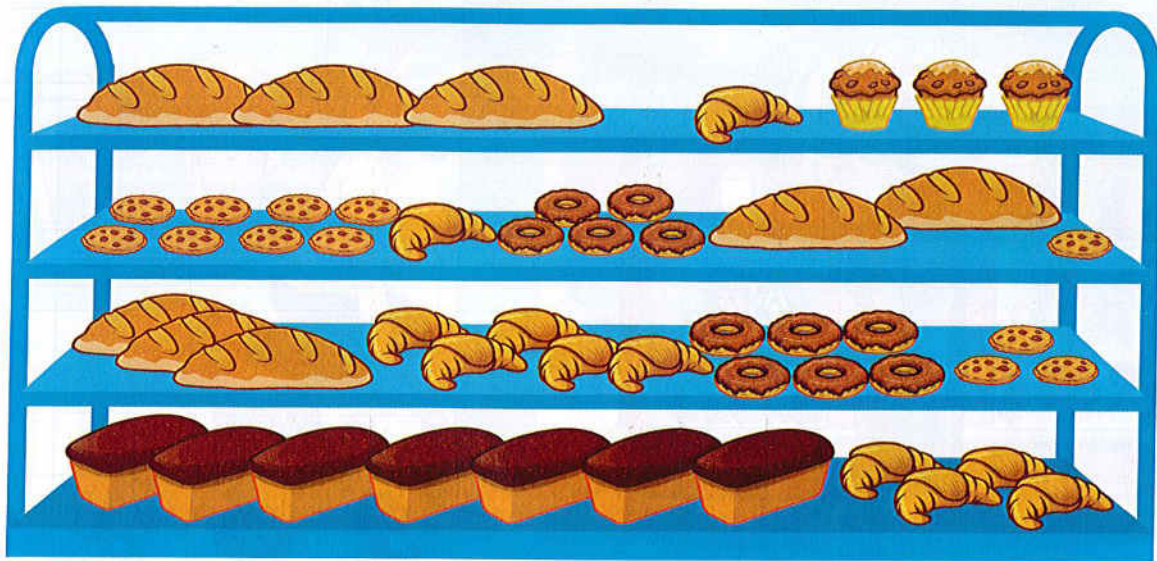
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				

Mark ✓ for the correct choice.

- The most number is of ☐ ☐ ☐ ☐
- The least number is of ☐ ☐ ☐ ☐



Color a space in the graph to show how many of each treats are in the bakery.

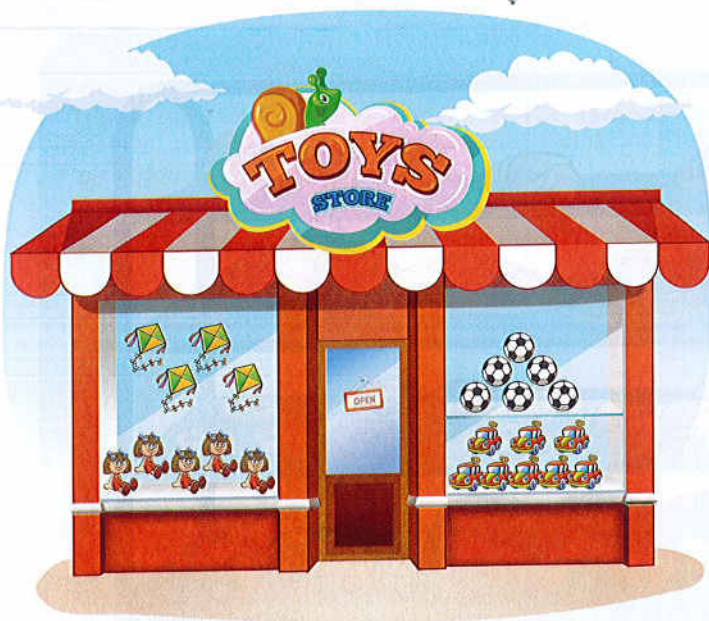


Number of Bakery Treats

12						
11						
10						
9						
8						
7						
6						
5						
4						
3						
2						
1						




Count. Color according to the number.





8				
7				
6				
5				
4				
3				
2				
1				
				

Complete.

• The number of  =

• The number of  =

• The number of  =

• The number of  =

Circle the toy which has the most number.








Circle the toy which has the least number.













Color according to the number of each item in the picture.



10					
9					
8					
7					
6					
5					
4					
3					
2					
1					
					

Put (> , < or =).

- Number of  Number of 
- Number of  Number of 
- Number of  Number of 
- Number of  Number of 



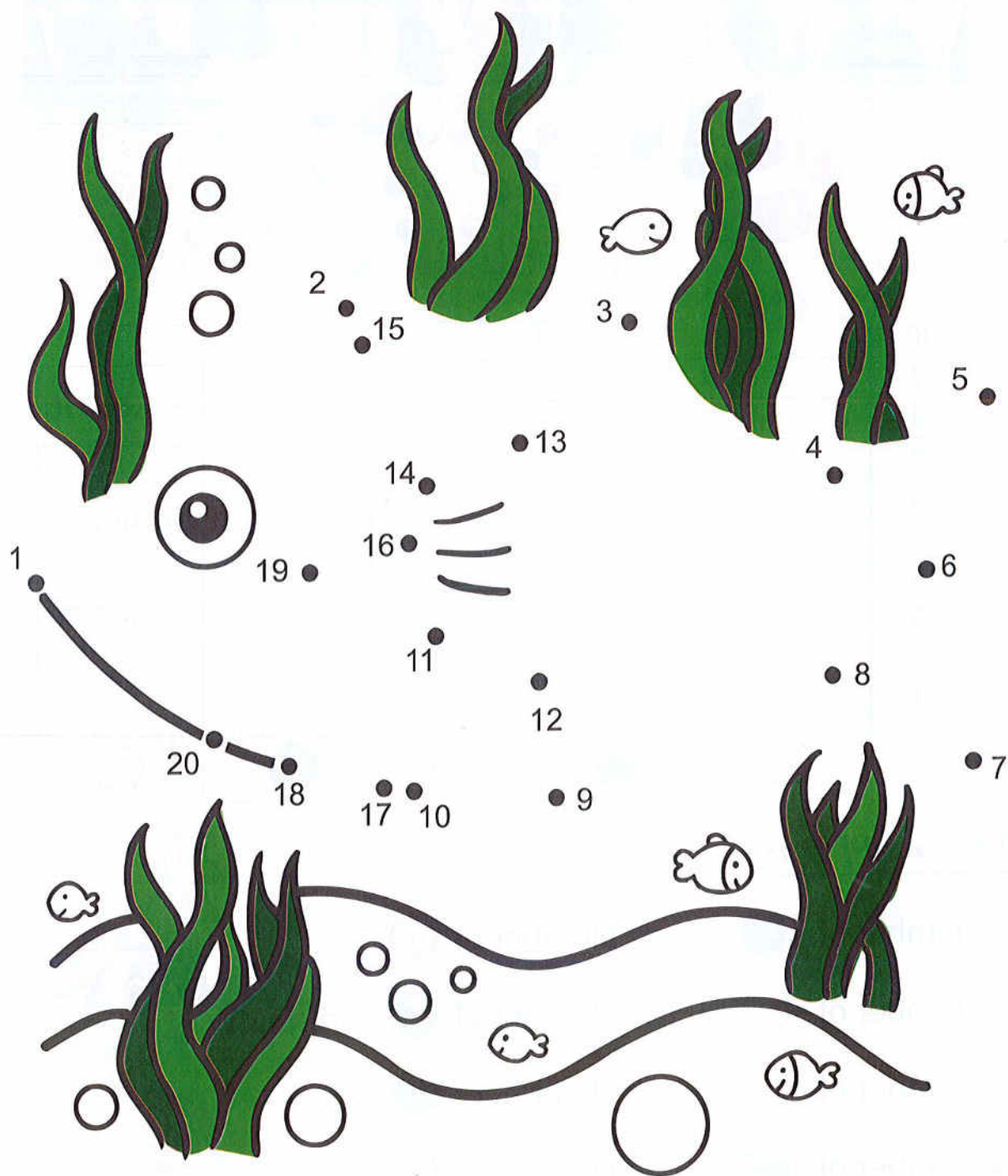
Place
a smiley
face



Art corner Chapter 4



Join the numbers in order and color the picture.

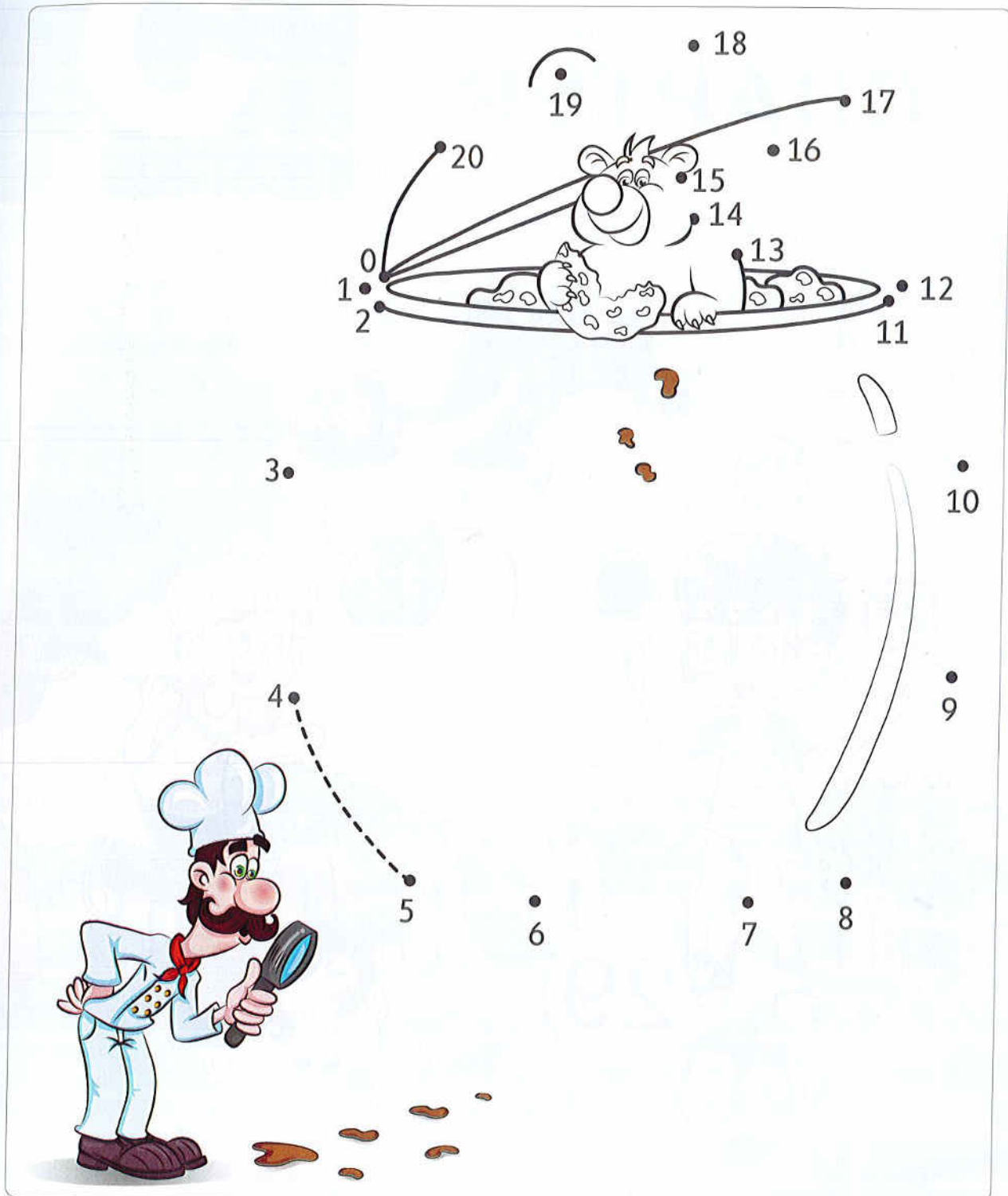


Cookie Clues



Find out what holds something good !

Count by 1's to connect the dots. Color the picture.



CHAPTER

5



Outcomes and key vocabulary of chapter five :

Lessons 31 & 32

Outcomes :

- Participate in calendar math activities.
- Read and write numerals from 1 to 24.

- Classify objects by color.

Key vocabulary :

- Addition (Add)
- Classify
- Equals

- Count from 1 to 24.
- Apply ten frames structure as a way to represent quantities.
- Add within 10 using manipulative.

- Plus
- Ten frames

Lessons 33 to 34

Outcomes :

- Participate in calendar math activities.
- Read and write the numerals 25, 26 and 27.

- Classify objects by color.

Key vocabulary :

- Addition (Add)
- Classify
- Plus

- Count from 1 to 27.
- Apply the ten frames structure as a way to represent quantities.
- Use addition within 10 to solve word problems.

- Ten frames
- Equal sign (=)

Lessons 35 & 36

Outcomes :

- Participate in calendar math activities.
- Read and write numerals 28, 29 and 30.

- Classify objects by shape and color.

Key vocabulary :

- Addition (Add)
- Ten frames
- Classify
- Symbols
- Circle
- Triangle

- Count from 1 to 30.
- Apply the ten frames structure as a way to represent quantities.
- Add within 10.

- Equal sign (=)
- Plus
- Square

Lessons 37 & 40

Outcomes :

- Participate in calendar math activities.
- Count by ones and tens up to 30.
- Add within 10 using pictures and objects.

Key vocabulary :

- Addition (Add)
- Medium
- Symbols
- Plus
- Small
- Skip counting

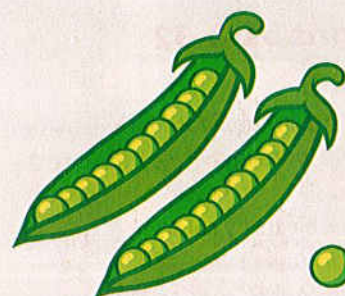
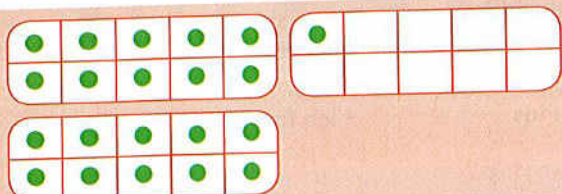
- Read and write numerals from 0 to 30.
- Classify objects by their color, shape and objects.
- Use addition within 10 to solve word problems.

- Classify
- Equal sign (=)
- Word problems
- Large
- Ten frames

- Numbers from 21 to 24
- Classification by color
- Adding within 10

21

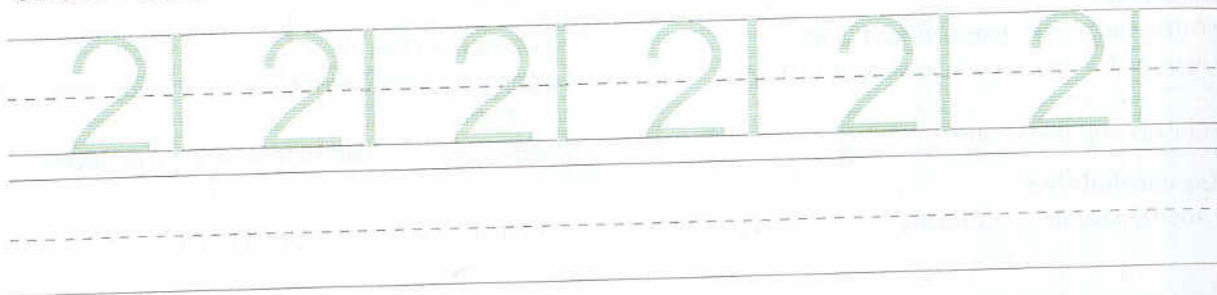
Twenty-one



2 sets of ten and 1 extra one

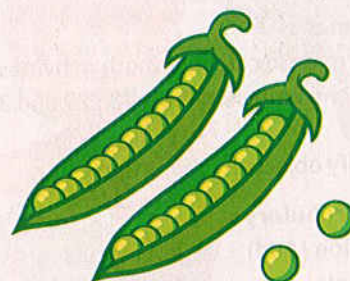
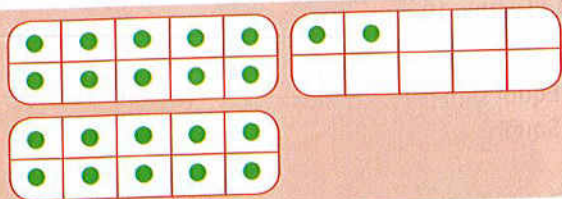


Trace and write.



22

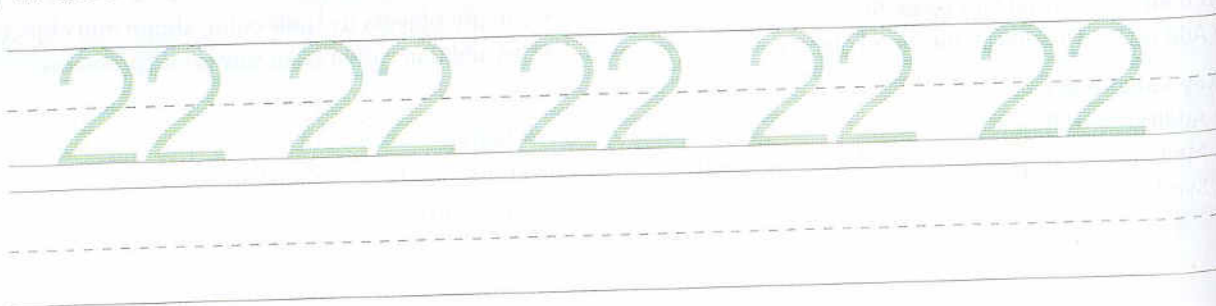
Twenty-two



2 sets of ten and 2 extra ones



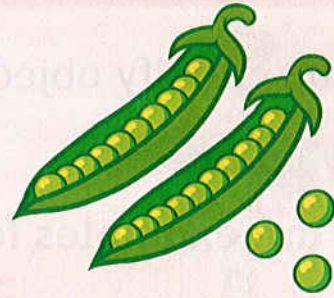
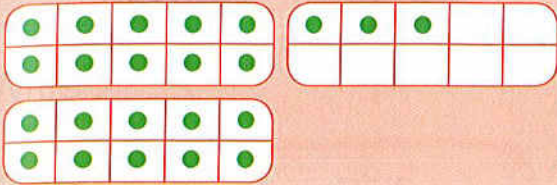
Trace and write.



- Use tens frame to practice your child counting up to 24.

23

Twenty-three



2 sets of ten and 3 extra ones

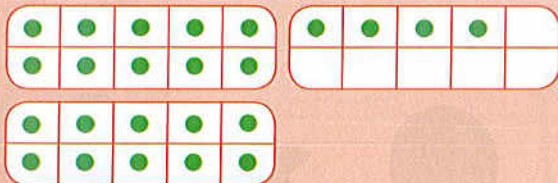


Trace and write.

23 23 23 23 23

24

Twenty-four



2 sets of ten and 4 extra ones



Trace and write.

24 24 24 24 24

• Ask your child to trace and write the numbers from 21 to 24.

Classification by color

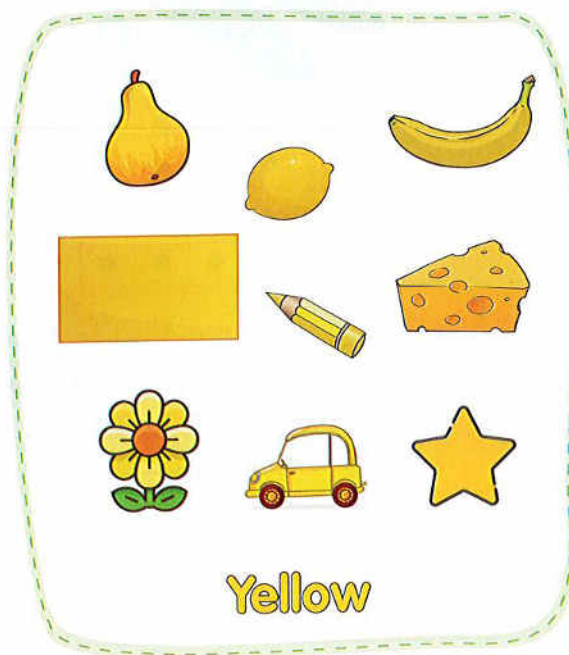
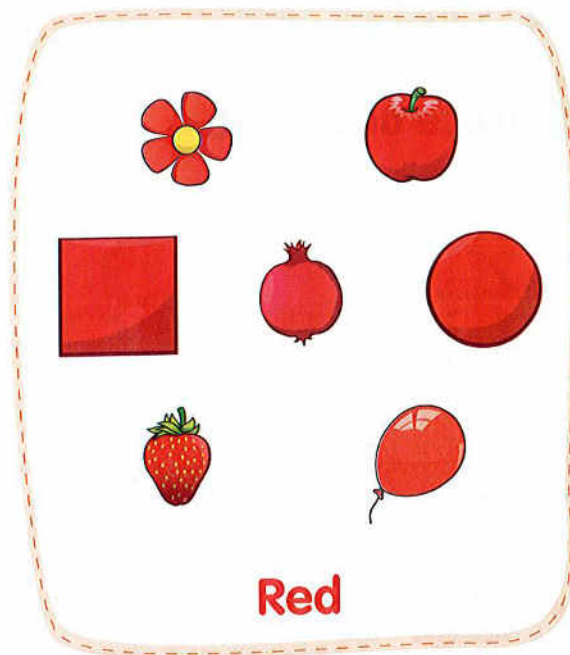
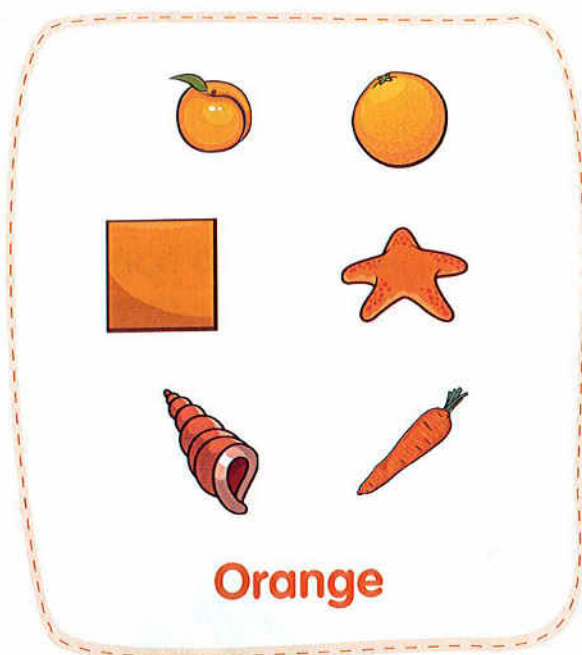
You can classify objects in any ways.

• By color

• By shape

• By size

Here are examples for classifying by color.



Notes for parents

- Ask your child to collect items of clothing that have the same color.

Adding within 10




Write : $\boxed{3} + \boxed{2} = \boxed{5}$

Say : 3 plus 2 equals 5




Write the number, then add.

Example




$$\boxed{} + \boxed{} = \boxed{}$$



$$\boxed{} + \boxed{} = \boxed{}$$

Solution



$$\boxed{1} + \boxed{2} = \boxed{3}$$



$$\boxed{4} + \boxed{3} = \boxed{7}$$

• Ask your child to use small items as counters to practice adding.

Exercise 14

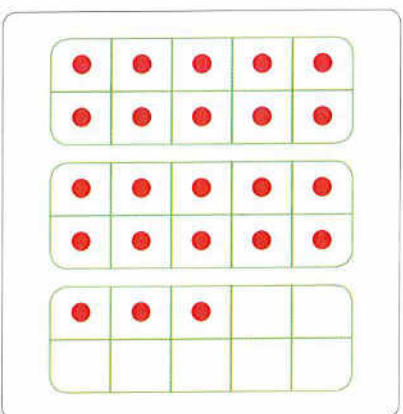
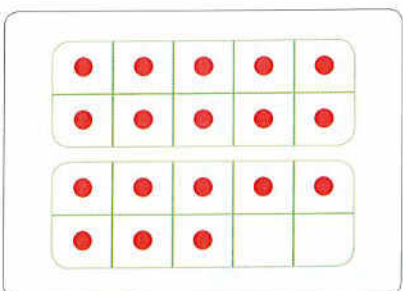
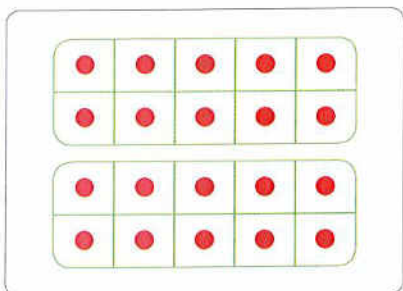
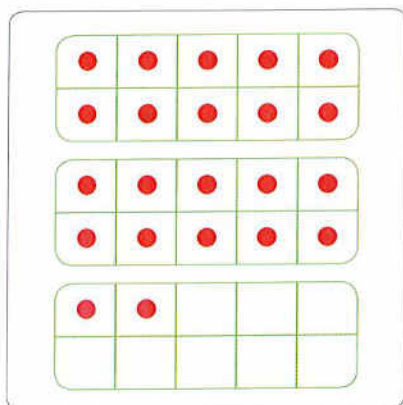
- Numbers from 21 to 24
- Classification by color
- Adding within 10

On Lessons 31 & 32

Numbers from 21 to 24



Match.



17

18

19

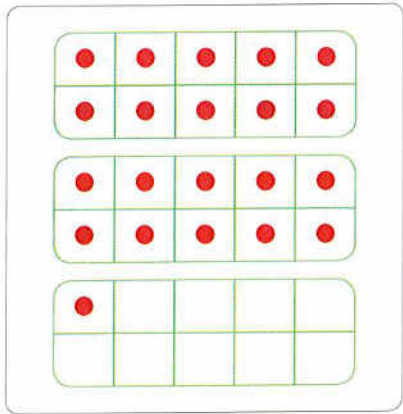
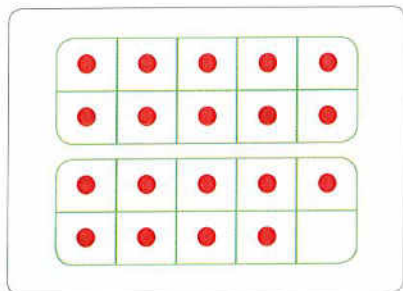
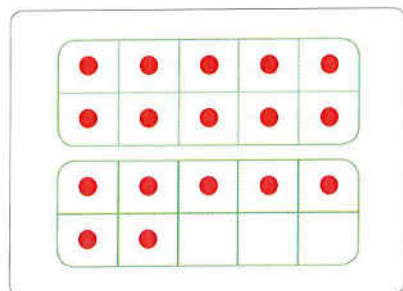
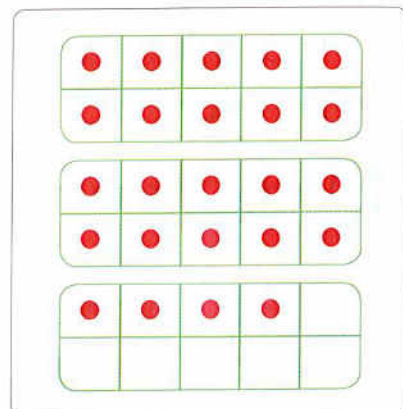
20

21

22

23

24





Match.

Nineteen

Twenty-two

Seventeen

Twenty

Twenty-three

17

20

22

19

23



Match.

Eighteen

Twenty-four

Twenty-one

Fifteen

Sixteen

24

15

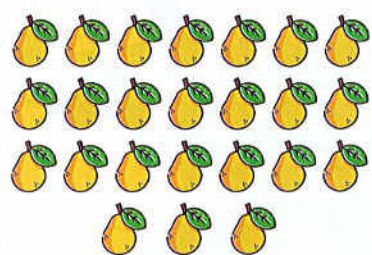
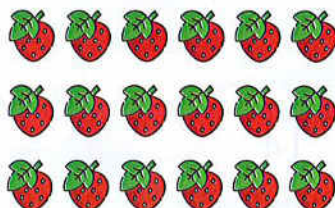
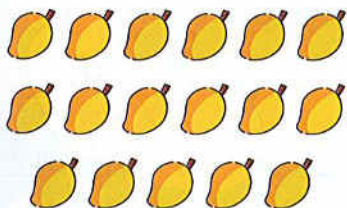
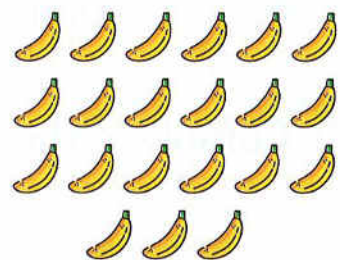
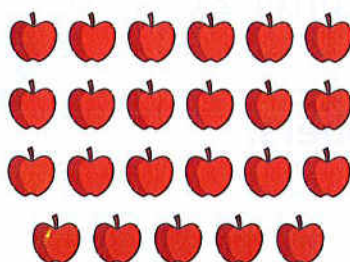
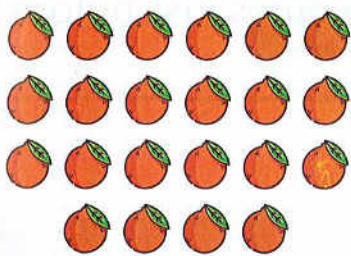
21

16

18



Count the number of objects, then write the number.





Put ($>$, $=$ or $<$).

21 20

22 23

24 19

18 15

23 23

14 24

12 23

16 17

20 15

Fifteen 17

Twenty-one 11

Eleven Twelve

Nineteen Seventeen



Complete.

23 comes just after _____

23 comes just before _____

19 comes just before _____

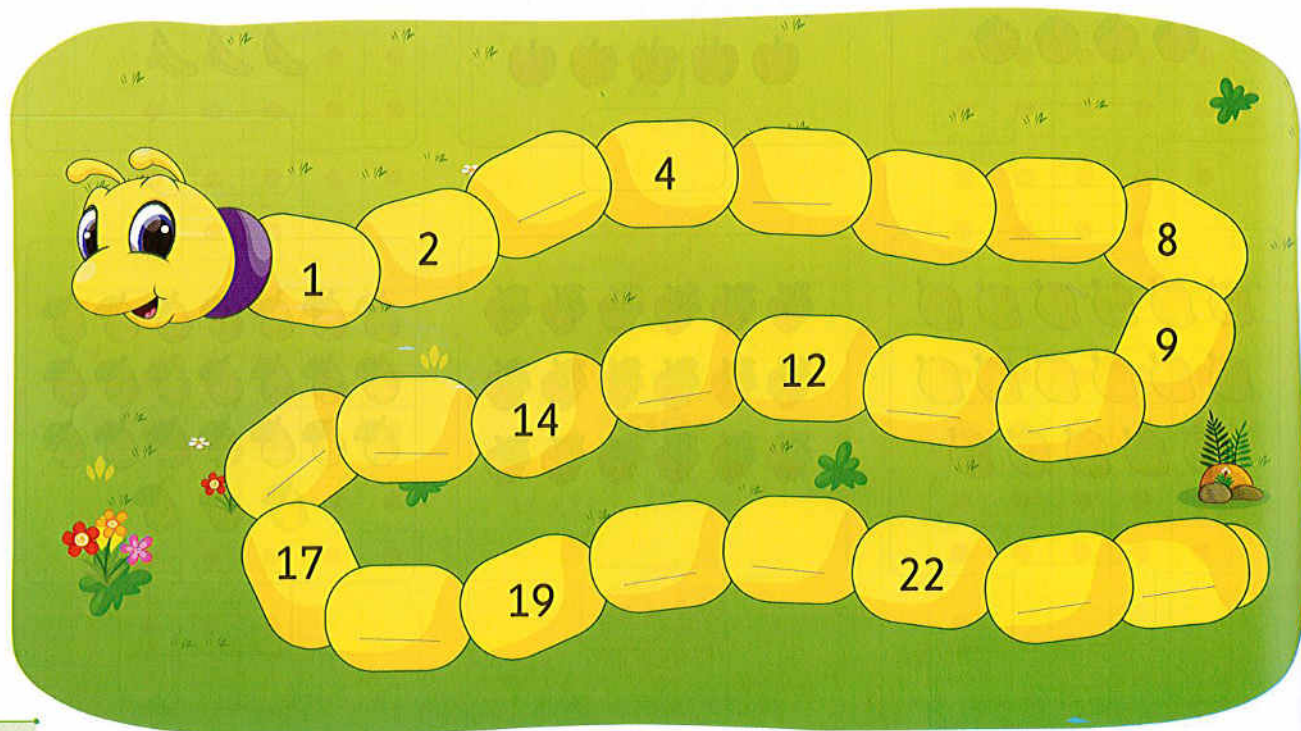
24 comes just after _____

_____ comes just after 21

_____ comes just before 19



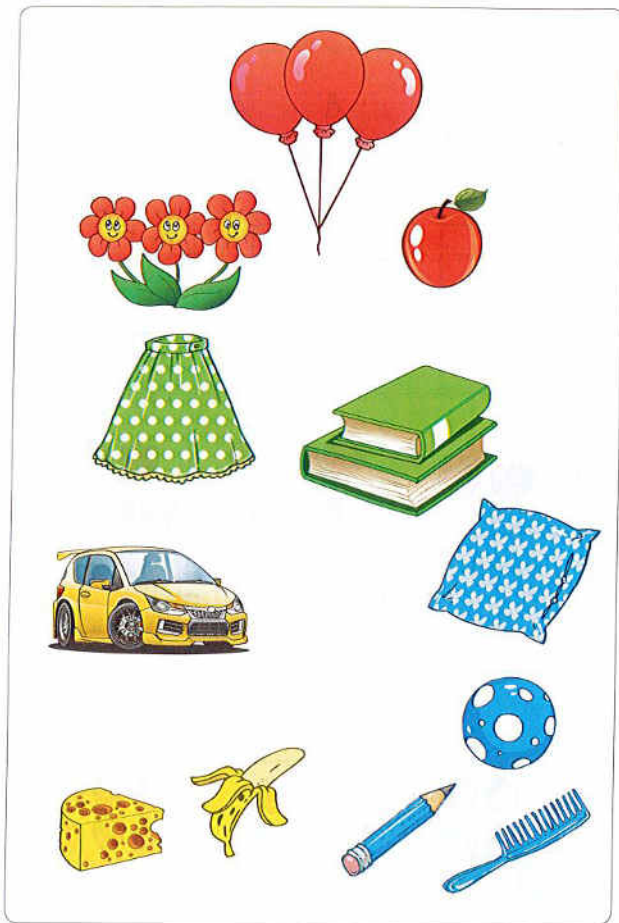
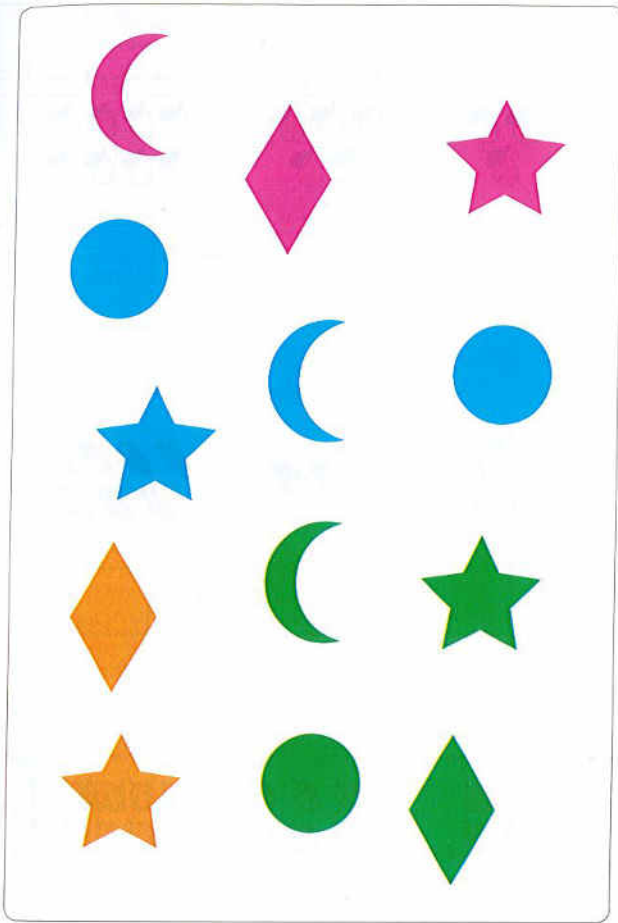
Complete the numbers.



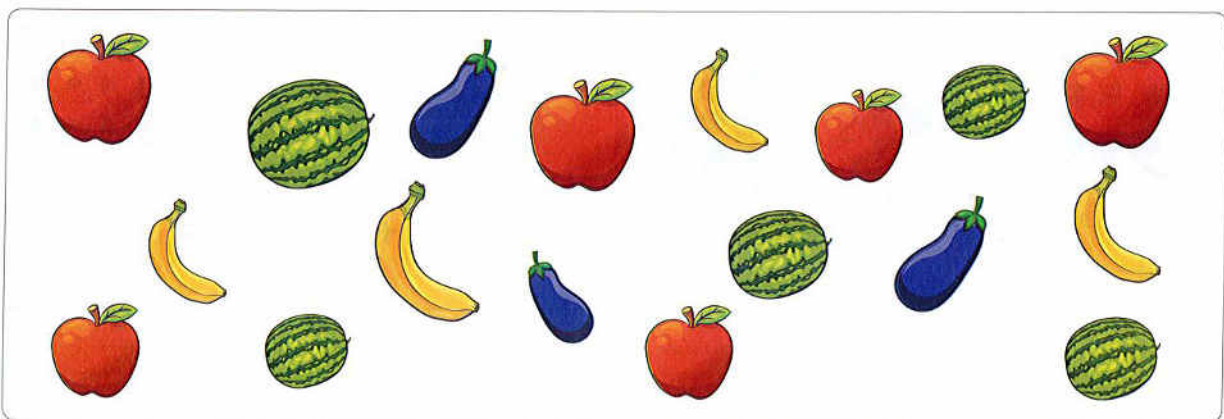
Classification by color



Circle the group of the same color.



Count and write.



Green

Red


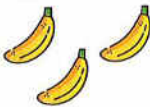

Yellow

Blue




Adding within 10






Write the number, then add.




 + =



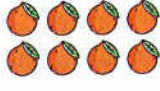
 + =




 + =




 + =




 + =




 + =




 + =

 + =








 + =

 + =



Draw  to find the sum for the problem. Write the sum.
The first one is done for you.

	6
	+ 4
<hr/>	
10	

<input type="text"/>	7
<input type="text"/>	+ 2
<hr/>	
<hr/>	

<input type="text"/>	3
<input type="text"/>	+ 5
<hr/>	
<hr/>	

<input type="text"/>	2
<input type="text"/>	+ 6
<hr/>	
<hr/>	

<input type="text"/>	1
<input type="text"/>	+ 9
<hr/>	
<hr/>	


<input type="text"/>	2
<input type="text"/>	+ 4
<hr/>	
<hr/>	




Add.


	3
	6
<hr/>	
<hr/>	


	2
	2
<hr/>	
<hr/>	


	7
	1
<hr/>	
<hr/>	

	5
	4
<hr/>	
<hr/>	


	0
	1
<hr/>	
<hr/>	


	5
	3
<hr/>	
<hr/>	


	2
	5
<hr/>	
<hr/>	

	1
	6
<hr/>	
<hr/>	

	8
	2
<hr/>	
<hr/>	

	6
	2
<hr/>	
<hr/>	

	3
	7
<hr/>	
<hr/>	

	4
	4
<hr/>	
<hr/>	



Write the sum.

$6 + 2 =$

$5 + 5 =$

$5 + 4 =$

$1 + 8 =$

$1 + 2 =$

$2 + 7 =$

$10 + 0 =$

$4 + 3 =$

$3 + 5 =$

$7 + 1 =$

$8 + 2 =$

$0 + 10 =$

$3 + 3 =$

$1 + 6 =$

$9 + 1 =$

$6 + 4 =$



Choose the correct answer.

4 + 3 = _____

(5 or 6 or 7)

5 + 1 = _____

(6 or 7 or 8)

2 + 7 = _____

(8 or 9 or 10)

9 + 0 = _____

(7 or 8 or 9)

8 + 1 = _____

(10 or 9 or 8)

3 + 3 = _____

(3 or 5 or 6)

6 + 2 = _____

(8 or 7 or 6)

2 + 5 = _____

(6 or 7 or 9)



Join the equal sums.

4 + 5 = _____

0 + 4 = _____

2 + 6 = _____

5 + 2 = _____

3 + 1 = _____

1 + 8 = _____

1 + 5 = _____

1 + 7 = _____

4 + 3 = _____

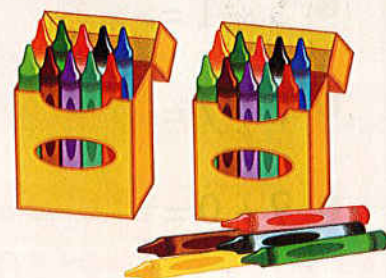
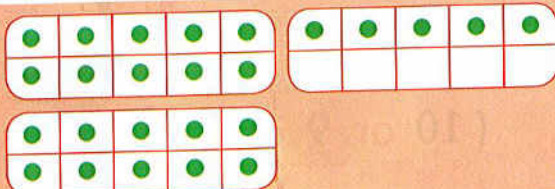
3 + 3 = _____

Place
a smiley
face

Lessons
33 & 34

- Numbers from 25 to 27
- Addition word problems

25 Twenty-five



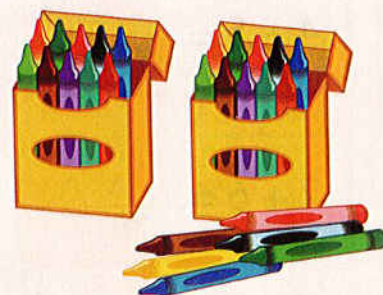
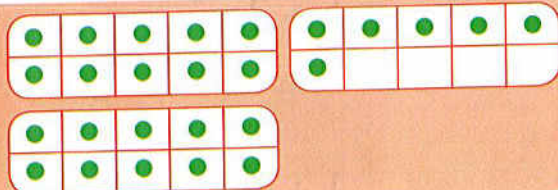
2 sets of ten and 5 extra ones



Trace and write.

25 25 25 25 25

26 Twenty-six



2 sets of ten and 6 extra ones



Trace and write.

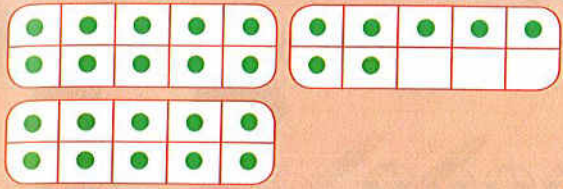
26 26 26 26 26

Notes for parents

- Give your child small objects and ask him/her to make two groups of 25 objects and 26 objects.

27

Twenty-seven



2 sets of ten and 7 extra ones





Trace and write.

27 27 27 27 27



• Ask your child to count up to 27.

Addition word problems

Bassem has 2  and Amgad has 5 

How many  do they both have ?



What they
both have =

$$= \boxed{2} + \boxed{5} = \boxed{7} \text{ }$$



Mariam has 2 cats and her brother Amr has 5 dogs.

How many pets do they have ?

The pets they have = $\boxed{2} + \boxed{5} = \boxed{7}$ pets.



Sameh has 4 big fish. He also has 3 small fish.

How many fish does he have ?

What he has = $\boxed{4} + \boxed{3} = \boxed{7}$ fish.



Notes for parents

- Tell a story with addition problem and help your child to write the related addition sentence, then ask him/her to find the result.

Exercise 15

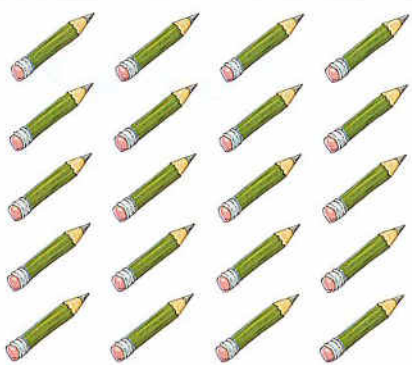
- Numbers from 25 to 27
- Addition word problems

On Lessons 33 & 34

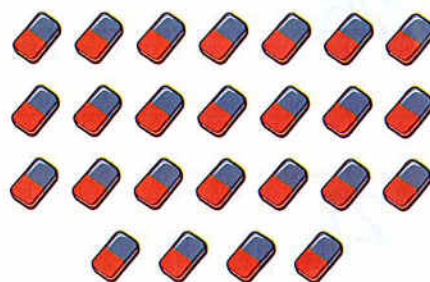
Numbers from 25 to 27



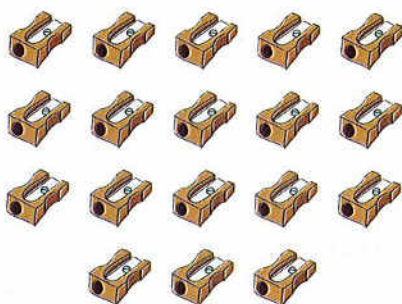
Count. Choose the correct answer.



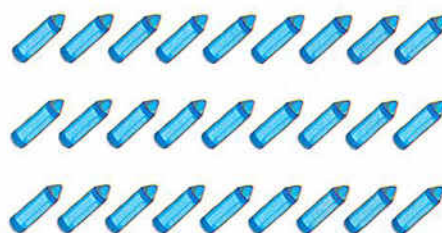
20 25 19



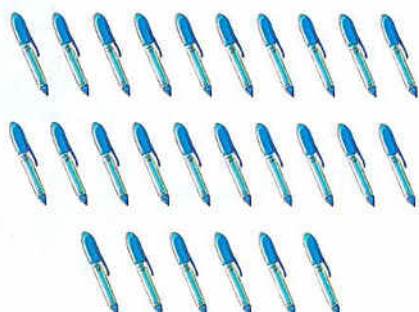
26 25 27



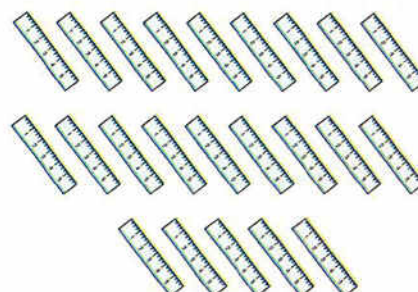
18 19 20



27 23 21



23 26 27



21 23 24



Draw the dots to express each number by using five frames.

25

26

27



Join.

21

Twenty-two

23

Twenty-seven

27

Twenty-five

25

Twenty

24

Twenty-three

22

Twenty-one

20

Twenty-six

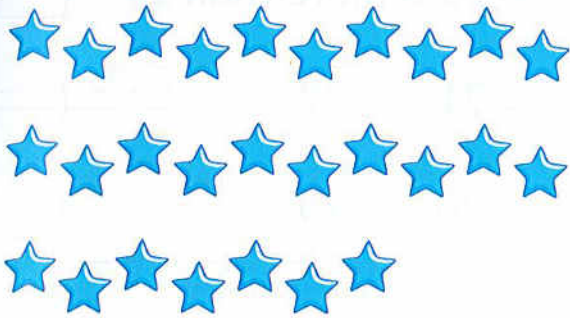
26

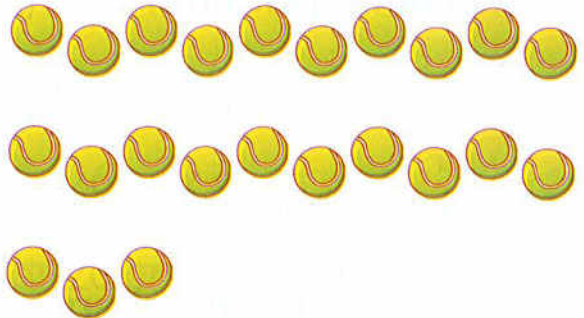
Twenty-four

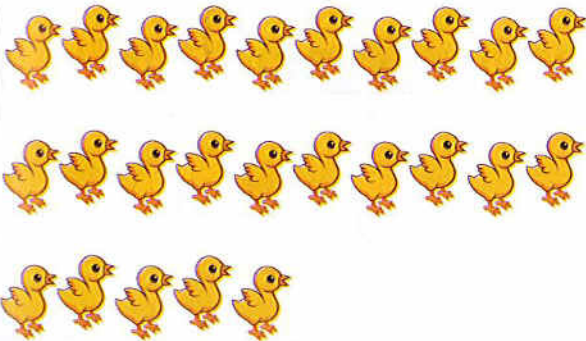


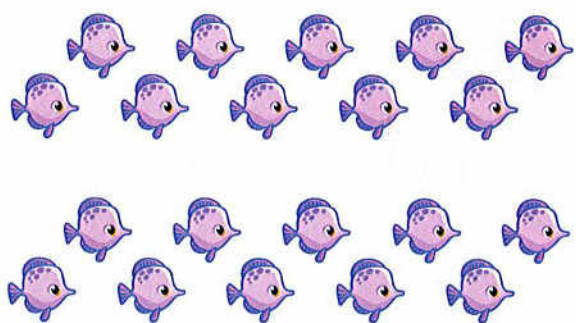


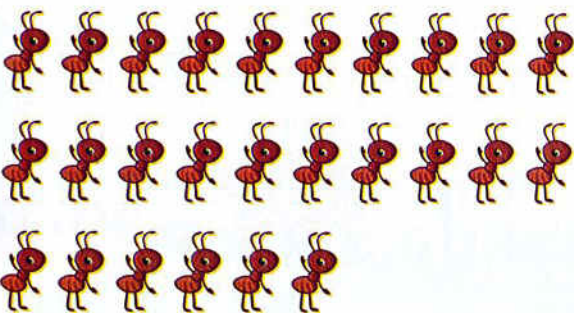
Count, write the number.

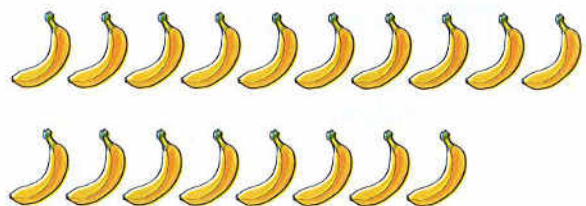














Write (✓) to the correct statement and (X) for the incorrect statement.

- | | |
|-----------------------------|------------------------|
| 27 comes just after 26 () | 25 is more than 24 () |
| 25 comes just before 24 () | $21 < 27$ () |
| 26 is less than 23 () | $26 > 25$ () |



Complete the numbers.

The sequence of numbers in the path is as follows:

- Row 1: 0, , 2, 3, , 5,
- Row 2: 13, , , , 9, 8,
- Row 3: , 15, , 17, , , , 21,
- Row 4: , , 25, , 23,



Choose the correct answer.

26 < _____ (24 or 25 or 27)

23 > _____ (25 or 24 or 22)

25 is less than _____ (21 or 26 or 23)

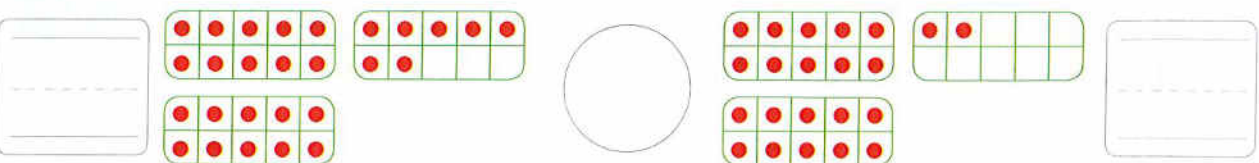
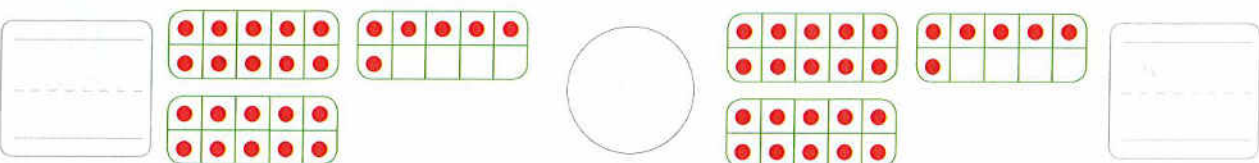
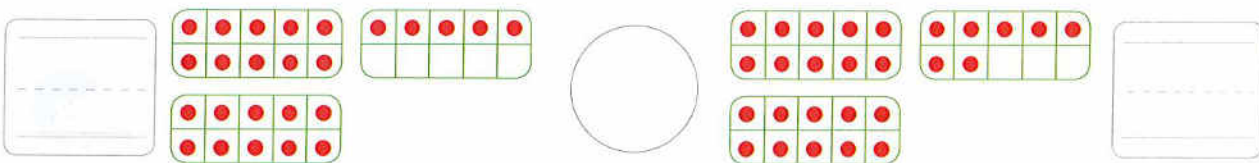
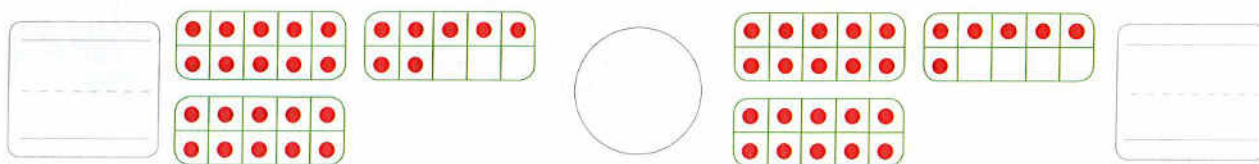
21 is more than _____ (22 or 20 or 24)

24 twenty-two (> or = or <)

19 twenty (> or = or <)



Count, write the number, then put (> , < or =).



Addition word problems



Solve each of the following.

Wael has 5 in Arabic and 4 in English.

How many does Wael have ?



What Wael has = + =

Ali caught 4 and Rami caught 2

Find the number of with both.



The number of fish = + =

Karim has 3 and Hany has 7

How many do they both have ?

What they both have = + =



Lara has 3 red and Sara has 5 green

How many do they both have ?

What they both have = + =



Ayman has 6 pounds and his sister
Amal has 4 pounds.

How much money do they have ?

What they both have = + = pounds.



Osama has 7 sweets.

His father gives him 2 sweets.

How many sweets does Osama has now ?

What Osama has = + = sweets.



Jana made 5 cookies.

Then she made 3 more cookies.

How many cookies did Jana make ?

What Jana made = + = cookies.



Maged found 3 seashells and Mariam found
the same number of seashells.

How many seashells they found together ?

What they both found = + = seashells.

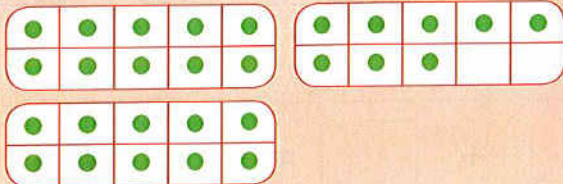


Place
a smiley
face

Lessons
35 & 36

- Numbers from 28 to 30
- Classification by shape

28 Twenty-eight



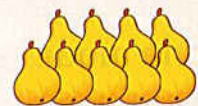
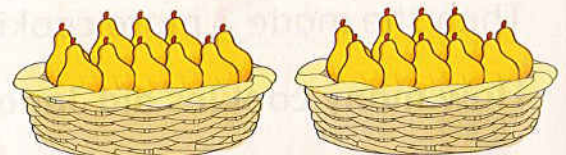
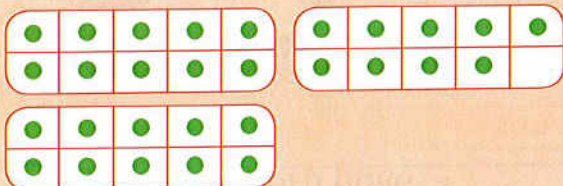
2 sets of ten and 8 extra ones



Trace and write.

28 28 28 28 28

29 Twenty-nine



2 sets of ten and 9 extra ones



Trace and write.

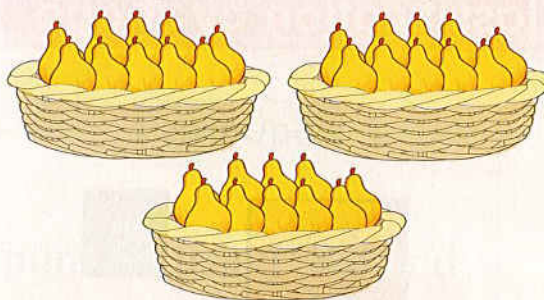
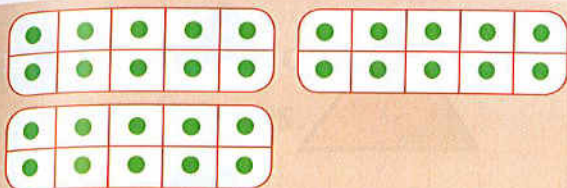
29 29 29 29 29

Notes for parents

- Review with your child, writing and ordering numbers up to 30.

30

Thirty



3 sets of ten



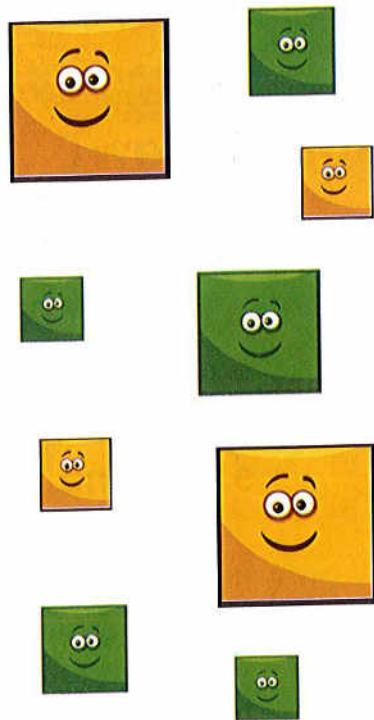
Trace and write.

30 30 30 30 30

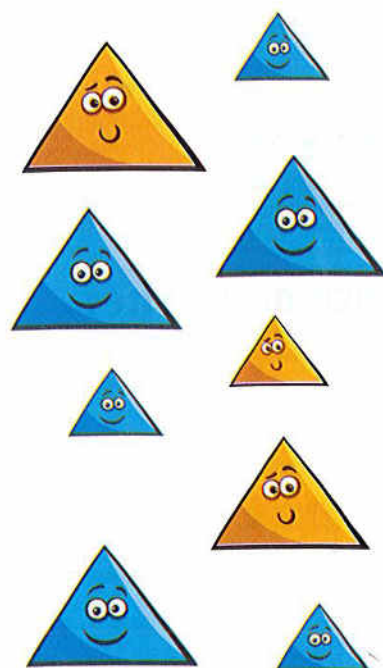
- Practice your child to show numbers from 0 to 30 using five and ten frames.

Classification by shape

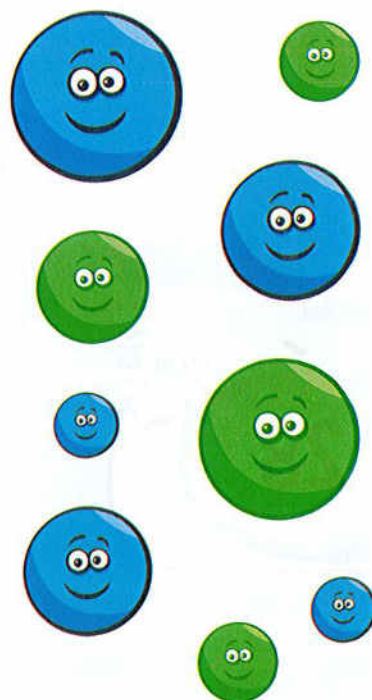
Squares



Triangles



Circles



Notes for parents

- Provide your child some various shapes mixed together. Ask your child to sort the shapes so all the circles are together, all the squares are together and so on.

Exercise 16

- Numbers from 28 to 30
- Classification by shape

On Lessons 35 & 36

Numbers from 28 to 30



Draw the dots to express each number using five and ten frames.

28

29

30



Join.

25

Twenty-two

24

Twenty-one

23

Twenty

22

Twenty-five

21

Twenty-three

20

Twenty-four



Join.

30

Twenty-seven

19

Twenty-nine

28

Twenty-six

29

Thirty

27

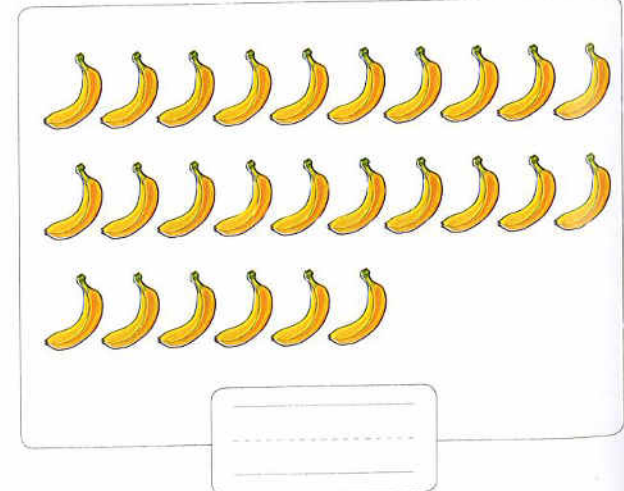
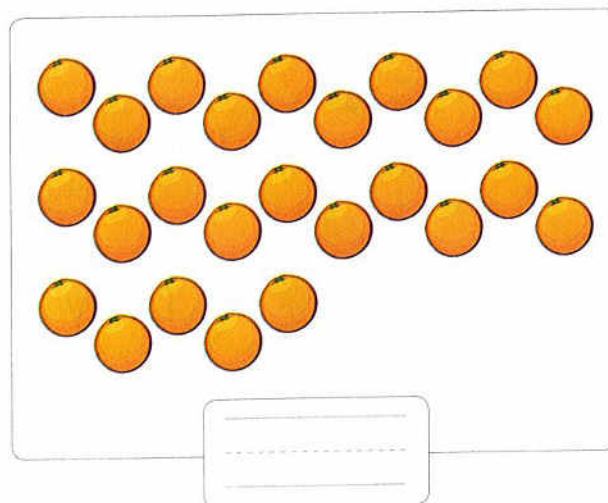
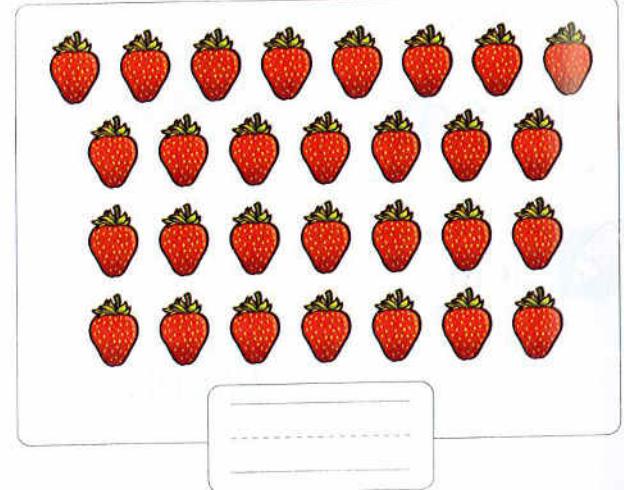
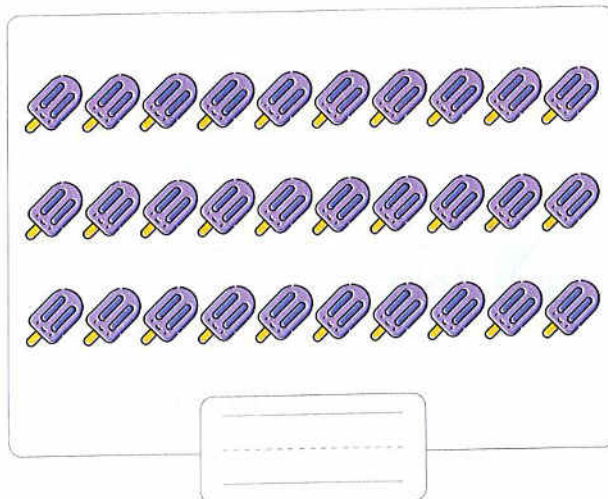
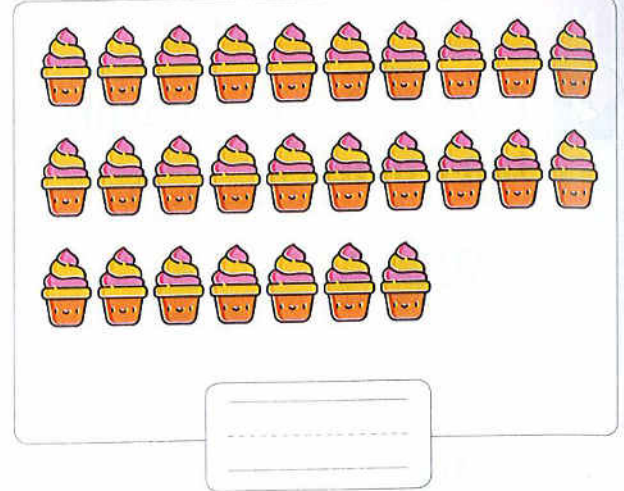
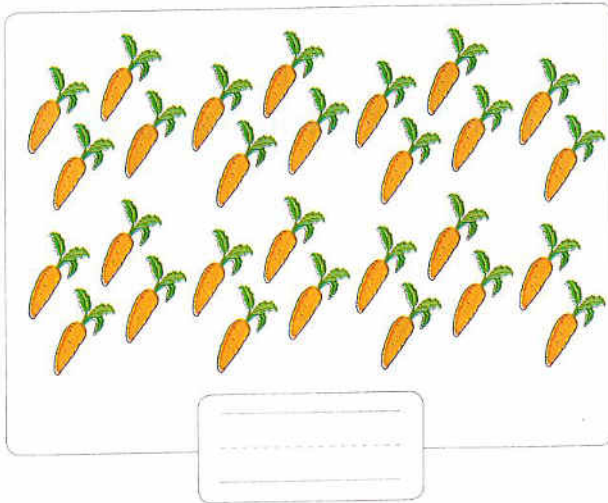
Nineteen

26

Twenty-eight



Count and write the number.





Put (> , = or <).

30 ○ 28

19 ○ 20

24 ○ 24

29 ○ 27

25 ○ 15

30 ○ 18

26 ○ Twenty-eight

Twenty-three ○ Thirteen

Thirteen ○ Thirty

Fifteen ○ Twenty-eight



Write the number just comes after.

27

21

19

29

fourteen

twenty-eight



Write the number just comes before.

24

30

11

29

twenty-six

twenty-eight



Arrange in an ascending order.

- 23 , 19 , 29 , 30 , 7

The order is : _____

- 16 , 9 , 21 , 18 , 28

The order is : _____

- 17 , 24 , 9 , 29 , 26

The order is : _____



Arrange in a descending order.

- 17 , 30 , 3 , 29 , 0

The order is : _____

- 22 , 12 , 20 , 2 , 21

The order is : _____

- 10 , 20 , 14 , 30 , 27

The order is : _____



Write (✓) to the correct statement and (X) to the incorrect statement.

- 28 is greater than 29 ()

- 27 is 1 greater than 28 ()

- 27 is less than 18 ()

- 30 comes just after 29 ()

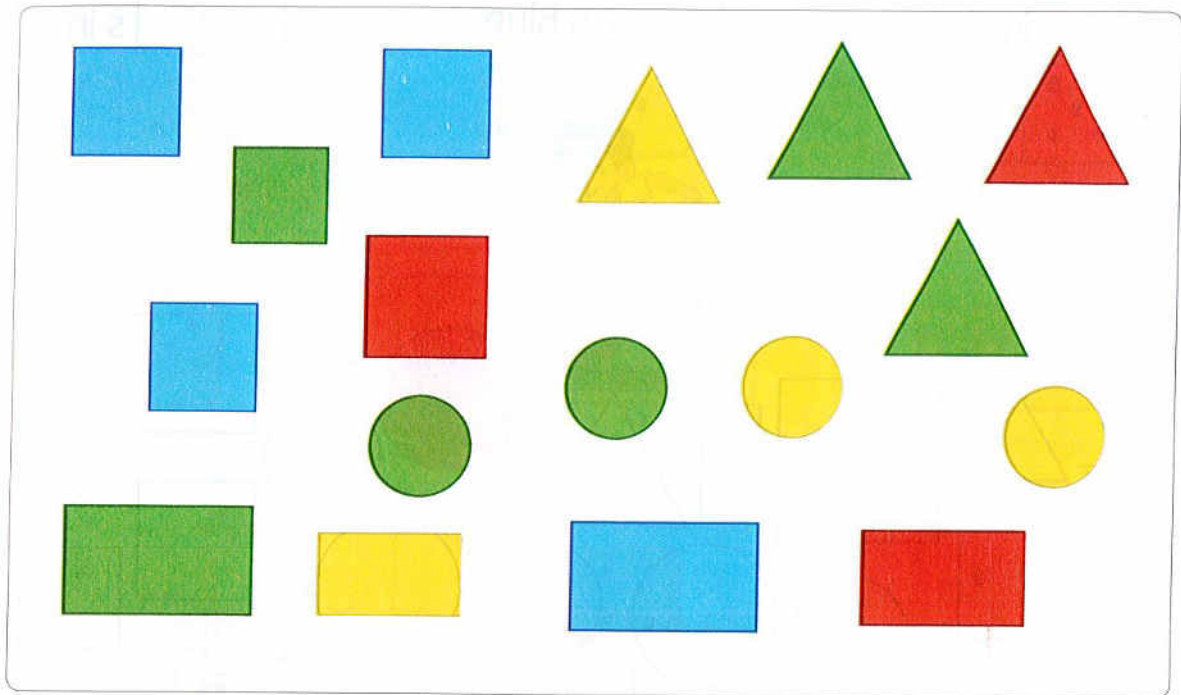
- 29 is 1 less than 30 ()

- 28 comes just before 27 ()

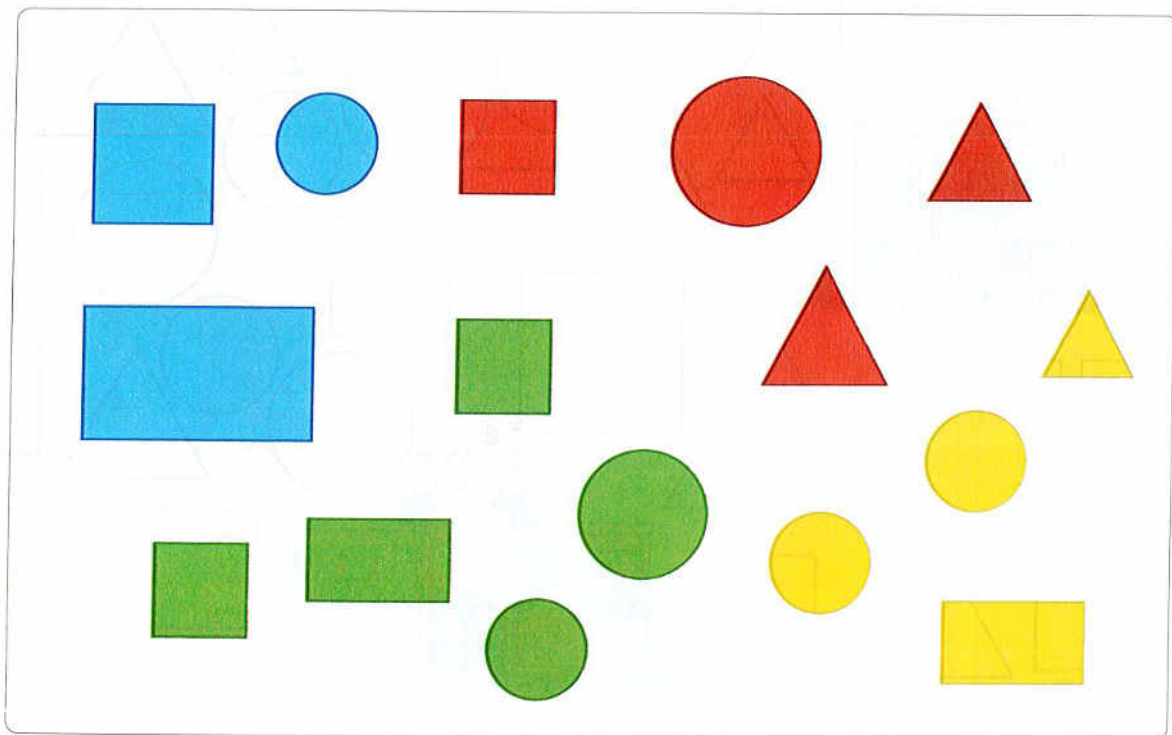
Classification by shape



Circle the objects having the same shape.



Circle the objects having the same color.





Follow the ○ s. Color them. Where do they lead?
Color the shapes.



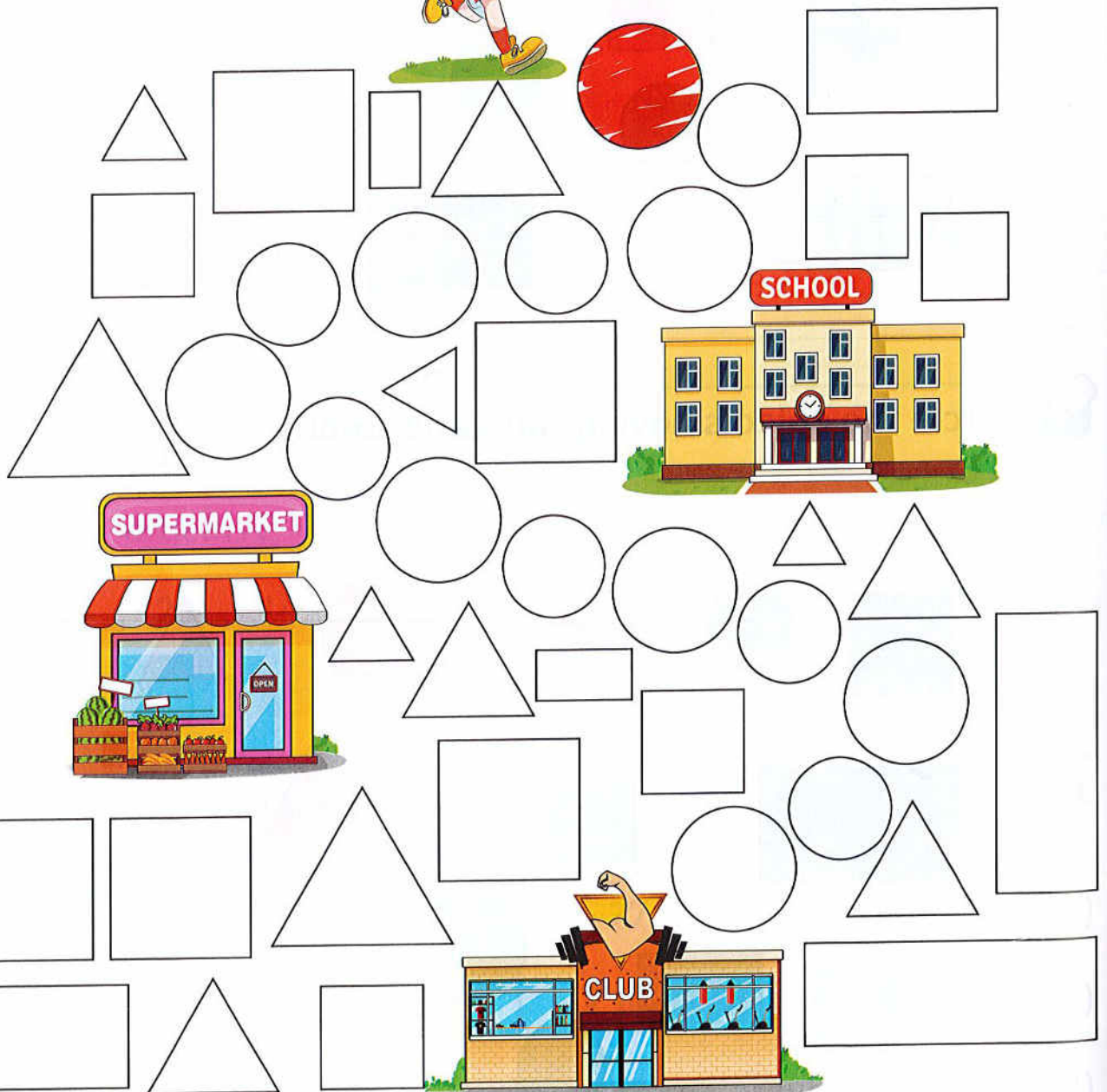
s in Green



s in Blue



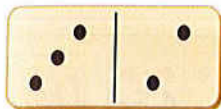
s in Yellow



More practice on addition



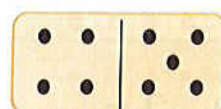
Write the number of dots, then add. The first one is done for you.



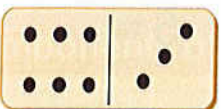
$$3 + 2 = 5$$



$$+ =$$



$$+ =$$



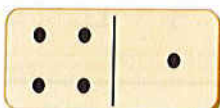
$$+ =$$



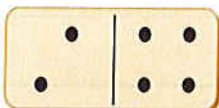
$$+ =$$



$$+ =$$



$$+ =$$



$$+ =$$



$$+ =$$



Add.

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$$



Find the sum.

$4 + 5 =$

$2 + 3 =$

$1 + 9 =$

$8 + 2 =$

$7 + 1 =$

$6 + 4 =$

$0 + 8 =$

$1 + 6 =$

$5 + 5 =$

$9 + 1 =$

$4 + 4 =$

$2 + 7 =$



Add, then complete using ($<$, $>$ or $=$).

$5 + 4 \bigcirc 6 + 4$

$3 + 4 \bigcirc 5 + 1$

$6 + 3 \bigcirc 7 + 2$

$0 + 5 \bigcirc 1 + 3$

$9 + 0 \bigcirc 5 + 5$

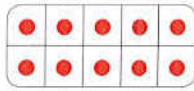
$8 + 1 \bigcirc 3 + 6$

Place
a smiley
face

- Count by 10's up to 30
- Components of 10
- Classification by size

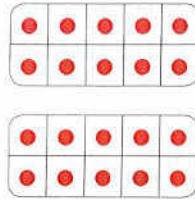
Count by 10's up to 30

10



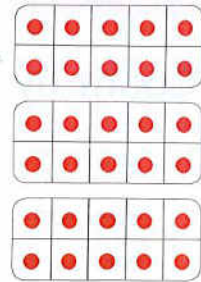
Ten

20



Twenty

30



Thirty

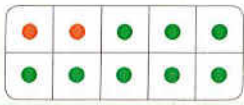
Components of 10



$$1 + 9$$



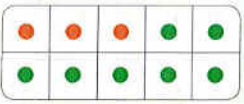
$$4 + 6$$



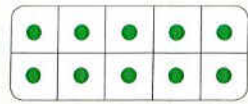
$$2 + 8$$



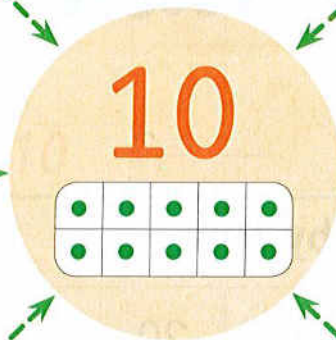
$$5 + 5$$



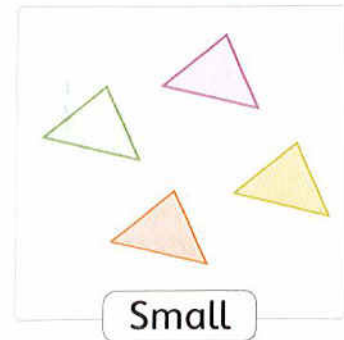
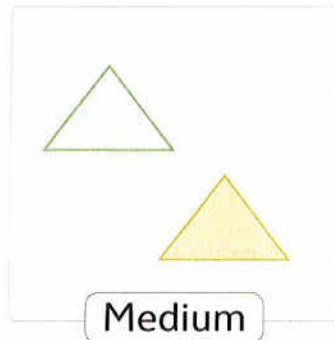
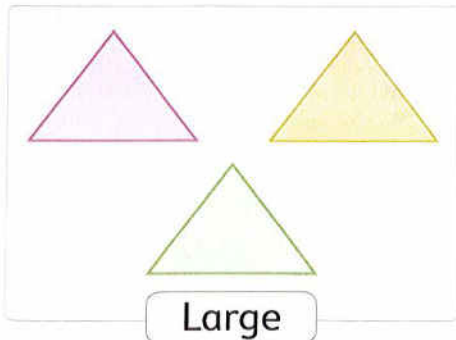
$$3 + 7$$



$$0 + 10$$



Classification by size



Notes for parents

- Tell your child a number from 0 to 10 and ask him/her to tell you another number to make 10.
- Let your child use different objects at home to practice classification by size.

Exercise 17

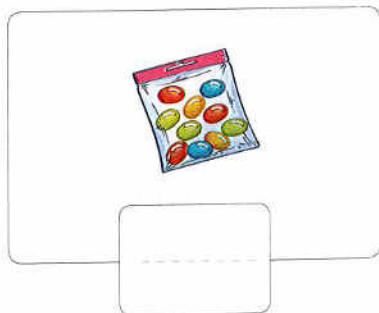
- Count by 10's up to 30
- Components of 10
- Classification by size

On Lessons 37 to 40

Count by 10's up to 30

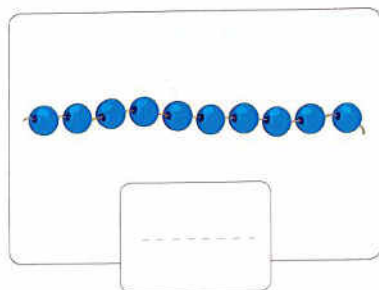


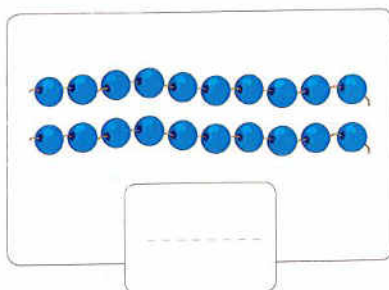
Count by 10's. Write the number.

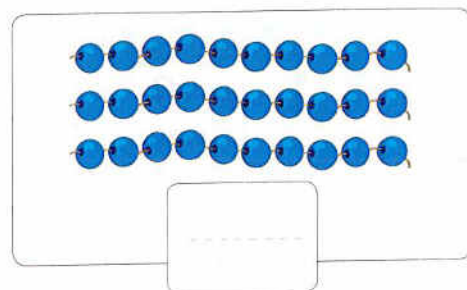














Complete counting by 10's.

10	—	30
----	---	----

10	20	—
----	----	---

10	—	—
----	---	---

Components of 10



Match to make 10.

2

0

5

3

4

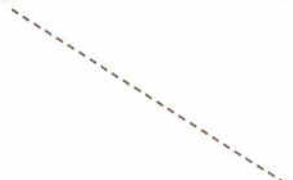
5

8

10

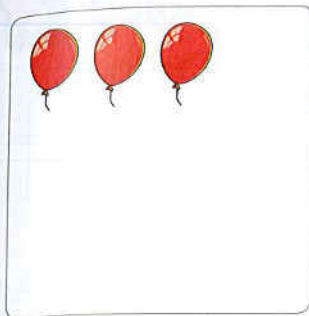
6

7

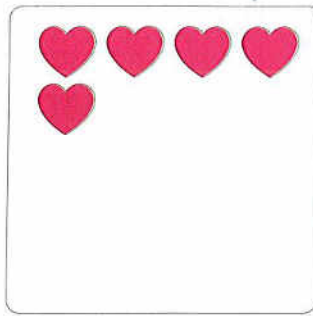




Complete the drawing to make 10.



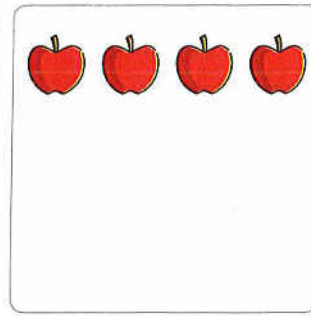
$$3 + \underline{\quad} = 10$$



$$5 + \underline{\quad} = 10$$



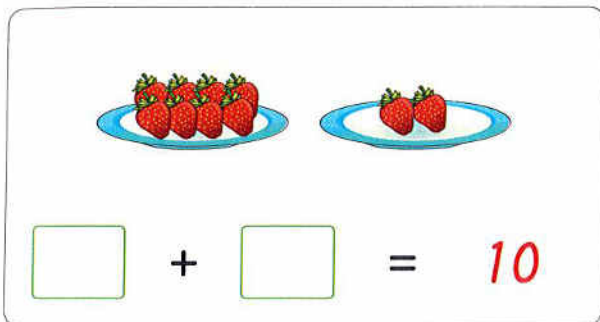
$$2 + \underline{\quad} = 10$$



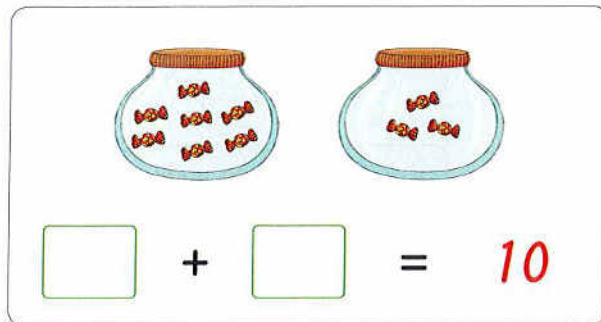
$$4 + \underline{\quad} = 10$$



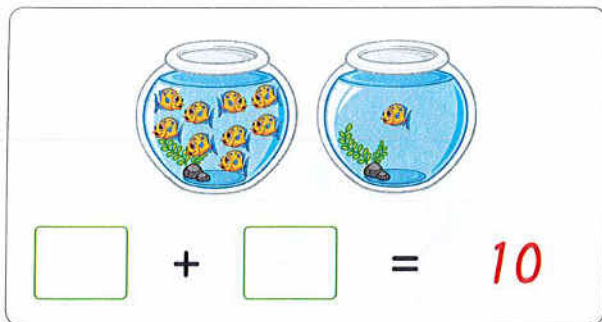
Count. Write the number. Add.



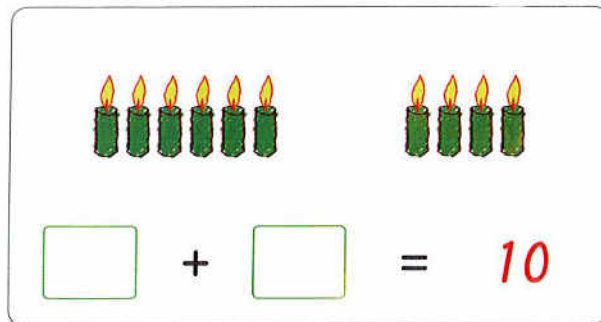
$$\square + \square = 10$$



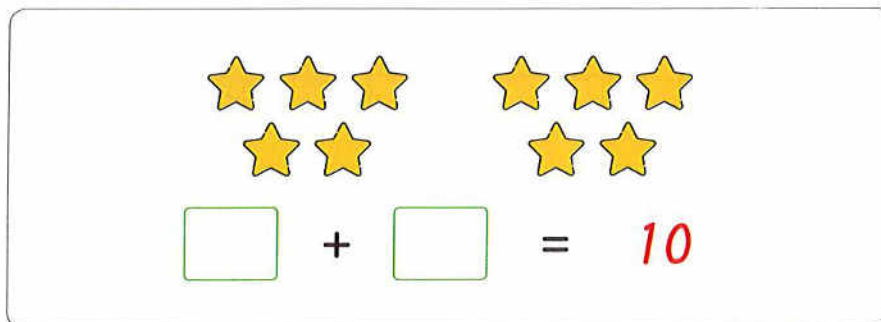
$$\square + \square = 10$$



$$\square + \square = 10$$



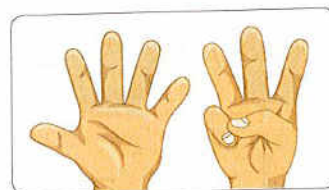
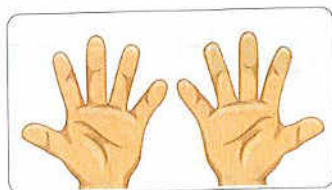
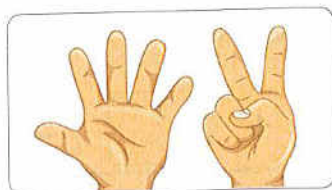
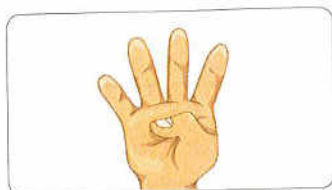
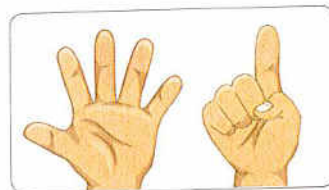
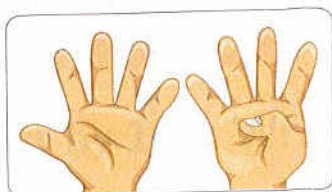
$$\square + \square = 10$$



$$\square + \square = 10$$



Count, write the numbers then match to make 10.



Classification by size

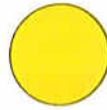
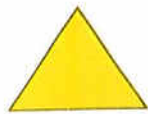


Color the squares that have the same size by the same color.

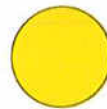




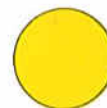
Circle the objects having the same shape
(\triangle - \square - \circ).



Circle the objects having the same size
(Large - Medium - Small).



Circle the objects having the same color
(Red - Yellow - Green).



More addition problems



Add.

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 1 \\ \hline \end{array}$$



Write the sum.

$4 + 3 = \underline{\quad}$

$5 + 2 = \underline{\quad}$

$9 + 0 = \underline{\quad}$

$6 + 1 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$2 + 1 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$4 + 2 = \underline{\quad}$

$2 + 6 = \underline{\quad}$

$8 + 1 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$0 + 10 = \underline{\quad}$



Add, then match the equal sums.

$4 + 1 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

$7 + 3 = \underline{\quad}$

$1 + 7 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$5 + 0 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$1 + 8 = \underline{\quad}$



Read each word problem. Solve each problem.

Marwan has **4** balloons and Heba has **2** balloons.

How many balloons are there in all ?

They have = + =



Mary baked **5** big cookies and **5** small cookies.

How many cookies did she bake in all ?

She baked = + =



Karim went to the market to buy some fruit.

He bought **6** apples and **3** oranges.

How much fruit did Karim buy in all ?

Karim bought = + = fruit.

Sama has **2** red flowers and Hani has **3** yellow flowers.

How many flowers do they have in all ?

They have = + = flowers.

Faried has **3** big fish. He also has **3** small fish.

How many fish does he have in all ?

He has = + = fish.

Place
a smiley
face



Art corner Chapter 5



Add and color the picture according to the answers.

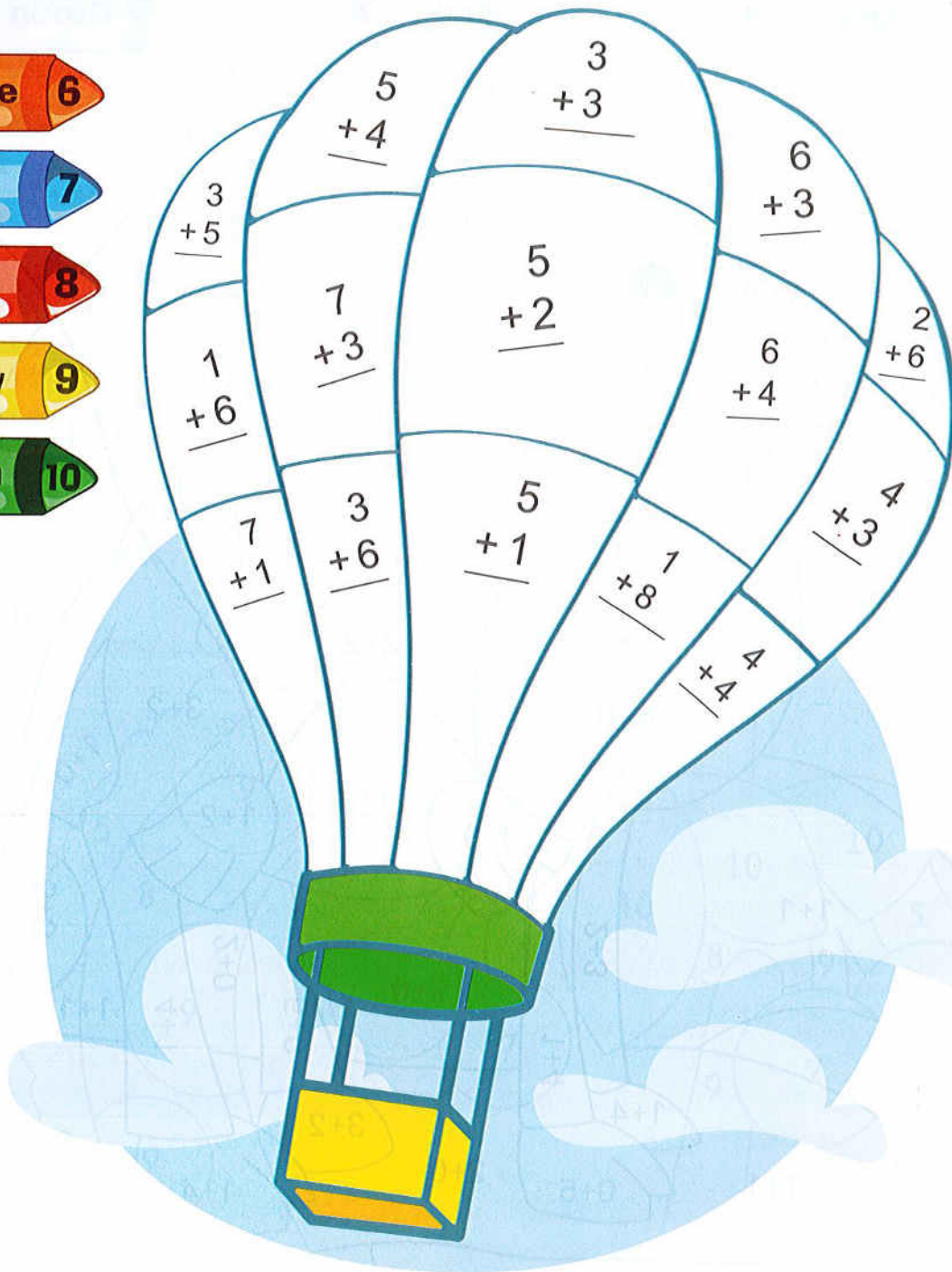
Orange 6

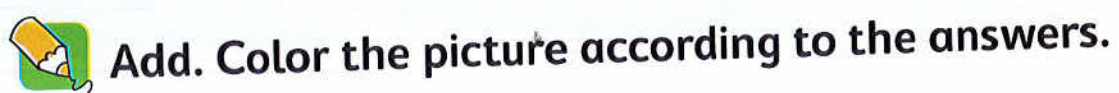
Blue 7

Red 8

Yellow 9

Green 10





Colorful Sums



Find the sums. Color the picture.

5 + 3 = Yellow

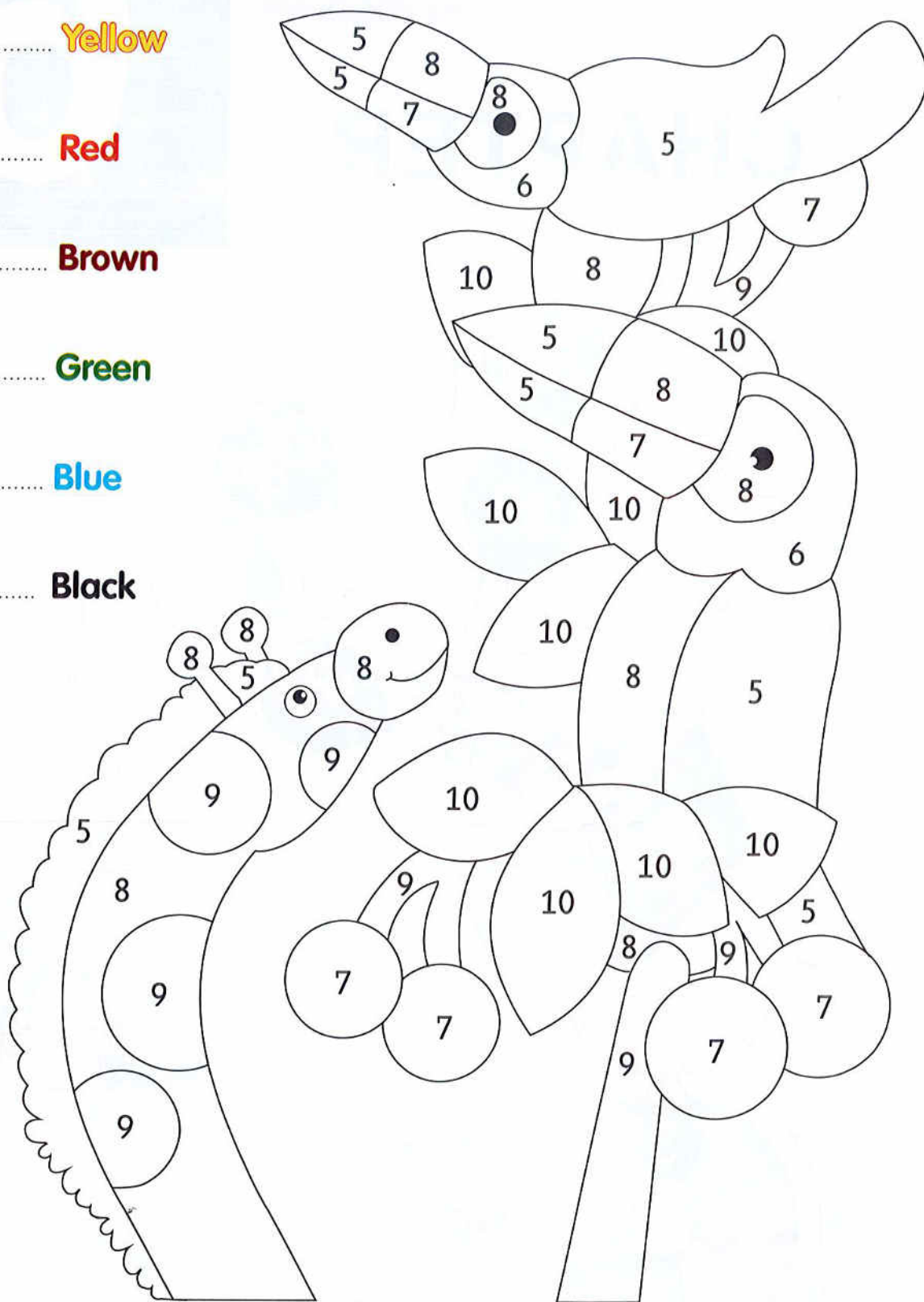
1 + 6 = **Red**

0 + 9 = **Brown**

2 + 8 = **Green**

3 + 3 = **Blue**

4 + 1 = **Black**



CHAPTER

6



Outcomes and key vocabulary of chapter six :

Lessons 41 to 43

Outcomes :

- Participate in calendar math activities.
- Count by ones and tens up to 35.
- Read and write numerals up to 35.
- Demonstrate understanding of the relationship between numbers and quantities up to 35.
- Subtract within 10 using objects and drawings.

Key vocabulary :

- | | | | |
|------------|-------------|--------------|--------------------------|
| • Calendar | • Month | • Day | • Subtraction (subtract) |
| • Equals | • Less than | • Ten frames | • Minus (−) |

Lessons 44 to 46

Outcomes :

- Participate in calendar math activities.
- Count by ones and tens up to 40.
- Read and write numerals up to 40.
- Demonstrate understanding of the relationship between numbers and quantities up to 40.
- Compare numbers from 0 to 20 using symbols $>$, $<$ and $=$.
- Apply strategies to find the difference between two numbers.

Key vocabulary :

- | | | | |
|---------------|--------------------------|-------|--------------|
| • Calendar | • Month | • Day | • Difference |
| • Number line | • Subtraction (subtract) | | |

Lessons 47 & 48

Outcomes :

- Participate in calendar math activities.
- Read and write numerals up to 40.
- Apply strategies to solve addition and subtraction problems.

Key vocabulary :

- | | | | |
|--------------------|--------------------------|------------------------|---------------------|
| • Strategy | • Addition (add) | • Greater than ($>$) | • Less than ($<$) |
| • Equal to ($=$) | • Subtraction (subtract) | | |

Lessons 49 & 50

Outcomes :

- Participate in calendar math activities.
- Count by ones and tens up to 40.
- Solve addition problems to create fact families.
- Identify patterns in fact families.

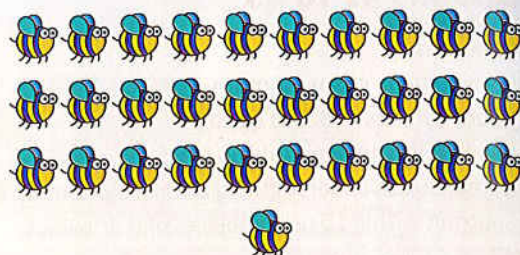
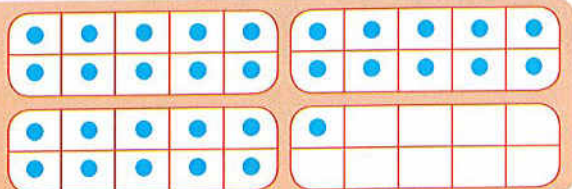
Key vocabulary :

- | | | | |
|------------------|----------|---------------|-----------|
| • Addition (Add) | • Equals | • Fact family | • Pattern |
|------------------|----------|---------------|-----------|

- Numbers from 31 to 35
- Subtracting within 10

31

Thirty-one



3 sets of ten and 1 extra one

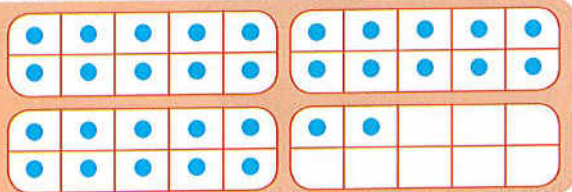


Trace and write.

31 31 31 31 31 31

32

Thirty-two



3 sets of ten and 2 extra ones

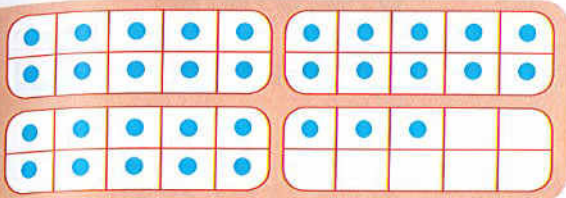


Trace and write.

32 32 32 32 32

- Ask your child to draw 32 circles and write the numbers from 1 to 32.

33 Thirty-three



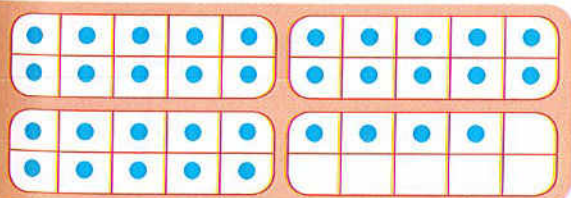
3 sets of ten and 3 extra ones



Trace and write.

33 33 33 33 33

34 Thirty-four



3 sets of ten and 4 extra ones

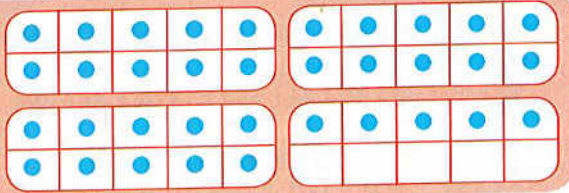


Trace and write.

34 34 34 34 34

• Have fun finding things to count at home like pasta and beans.

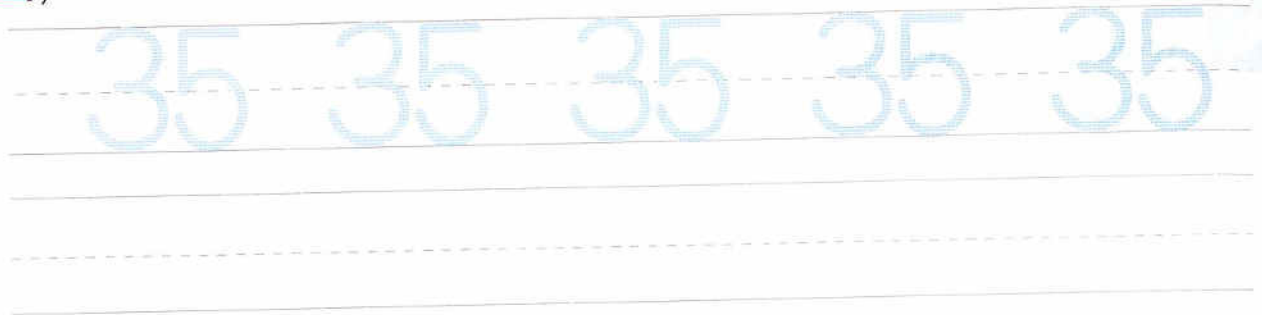
35 Thirty-five



3 sets of ten and 5 extra ones



Trace and write.



Subtracting within 10



Write : $\boxed{6} - \boxed{2} = \boxed{4}$
 Say : 6 minus 2 equals 4

More Examples

$$3 - 1 = 2$$

$$6 - 3 = 3$$

$$5 - 4 = 1$$

Notes for parents

- Ask your child to count by ones from 1 to 35.

Exercise 18

- Numbers from 31 to 35
- Subtracting within 10

On Lessons 41 to 43

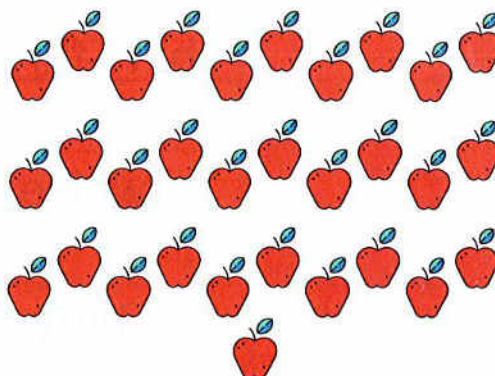
Numbers from 31 to 35



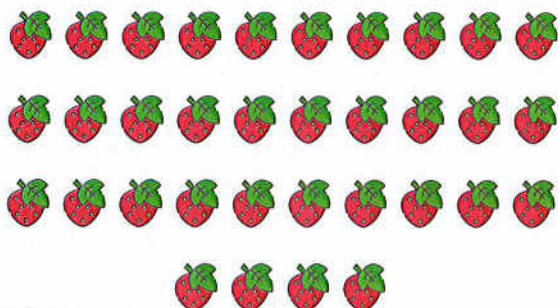
Count the objects, then choose the correct number.



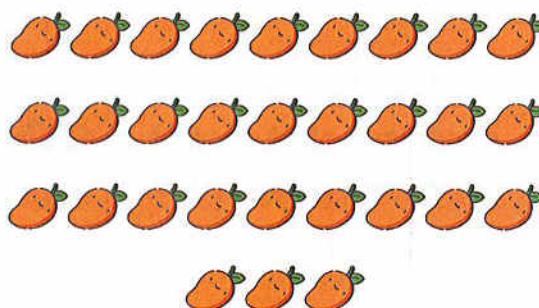
23 30 32



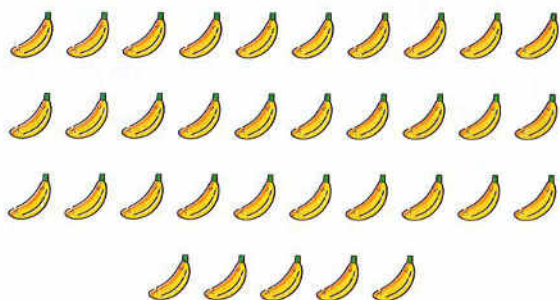
30 31 29



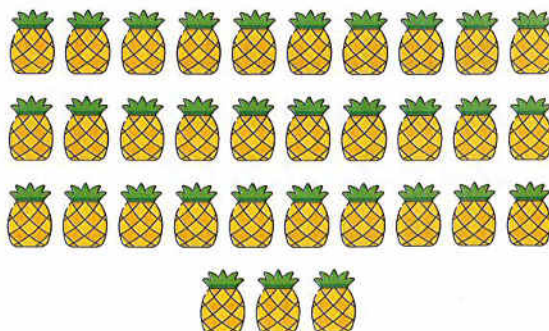
30 32 34



20 33 30



35 33 31



35 34 33



Match.

30

Thirty-two

12

Twenty-two

22

Thirty-three

33

Twelve

32

Thirty



Match.

25

Thirty-five

35

Twenty-eight

34

Thirty-one

31

Twenty-five

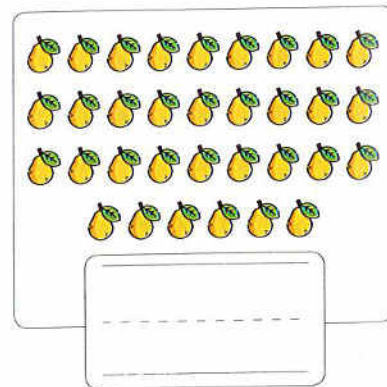
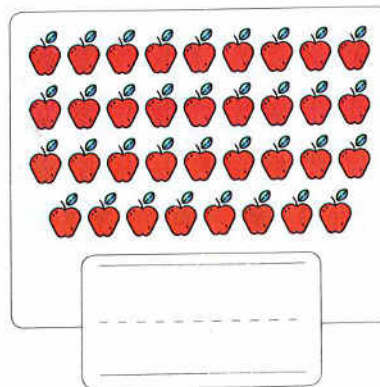
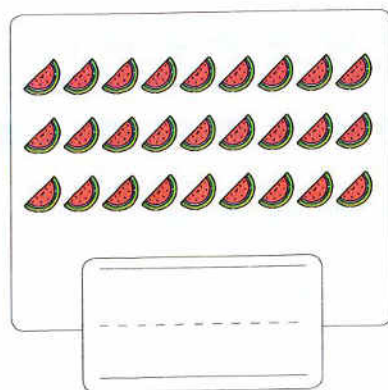
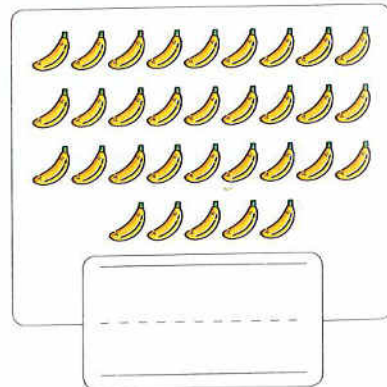
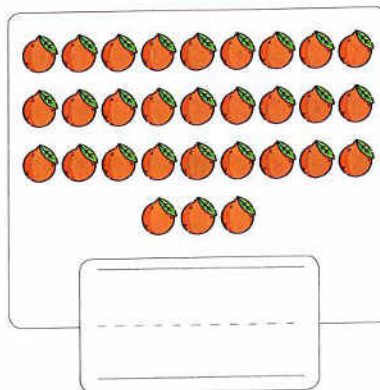
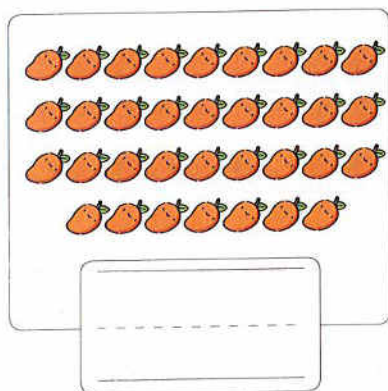
28

Thirty-four



Count the fruits.

Then write the correct number in the box.





Complete the missing numbers.

- 29, 30, _____, _____, 33, _____, _____
- 21, 22, 23, _____, _____, 26, _____
- 28, _____, 30, _____, 32, _____, _____
- _____, 26, _____, 28, 29, _____, _____



Write the numbers from the smallest to the greatest.

- 15 , 12 , 17 , 21 , 16
_____ , _____ , _____ , _____ , _____
- 34 , 31 , 29 , 33 , 30
_____ , _____ , _____ , _____ , _____
- 27 , 35 , 32 , 26 , 28
_____ , _____ , _____ , _____ , _____
- 35 , 33 , 29 , 34 , 19
_____ , _____ , _____ , _____ , _____




Write the numbers from the greatest to the smallest.

- 28 , 34 , 19 , 35 , 26
_____ , _____ , _____ , _____ , _____
- 30 , 35 , 33 , 32 , 31
_____ , _____ , _____ , _____ , _____
- 18 , 28 , 34 , 30 , 20
_____ , _____ , _____ , _____ , _____
- 26 , 33 , 27 , 22 , 30
_____ , _____ , _____ , _____ , _____


Subtracting within 10




Cross out to subtract. Write how many are left.
The first one is done for you.

6



$$\begin{array}{r} 6 \\ - 2 \\ \hline 4 \end{array}$$

8



$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

7



$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

5



$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

4



$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

7



$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

9



$$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$$

10


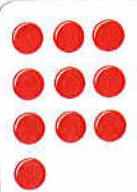
$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

3



$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

6



$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

10



$$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

2



$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

5



$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

9



$$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$$

8



$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

7



$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

4



$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

5


$$\begin{array}{r} 5 \\ - 5 \\ \hline \end{array}$$

6


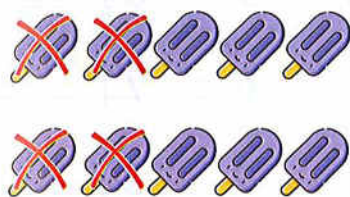
$$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$$

10


$$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$$



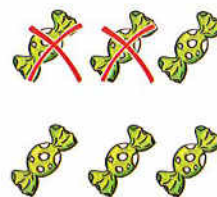
Subtract. Write the number of the left.



$$10 - 4 = \boxed{}$$



$$8 - 3 = \boxed{}$$



$$6 - 2 = \boxed{}$$



$$3 - 1 = \boxed{}$$



$$7 - 5 = \boxed{}$$



$$9 - 2 = \boxed{}$$



$$5 - 3 = \boxed{}$$



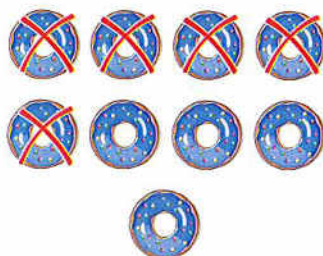
$$10 - 3 = \boxed{}$$



$$8 - 7 = \boxed{}$$



$$4 - 2 = \boxed{}$$



$$9 - 5 = \boxed{}$$



$$10 - 5 = \boxed{}$$



Choose the correct answer.

• $8 - 3 =$ _____

(4 or 5 or 6)

• $7 - 2 =$ _____

(5 or 6 or 7)

• $6 - 5 =$ _____

(1 or 2 or 3)

• $10 - 4 =$ _____

(5 or 6 or 8)

• $9 - 4 =$ _____

(2 or 5 or 7)

• $5 - 1 =$ _____

(2 or 3 or 4)

• $10 - 5 =$ _____

(0 or 5 or 10)

• $9 - 2 =$ _____

(7 or 6 or 5)



Join.

$6 - 5 =$ _____

$10 - 3 =$ _____

$8 - 2 =$ _____

$5 - 3 =$ _____

$9 - 4 =$ _____

7

6

1

5

2





Subtract.

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

$$9 - 1 = \underline{\quad}$$

$$10 - 9 = \underline{\quad}$$

$$8 - 8 = \underline{\quad}$$

$$5 - 3 = \underline{\quad}$$

$$9 - 5 = \underline{\quad}$$

$$10 - 4 = \underline{\quad}$$

$$10 - 2 = \underline{\quad}$$

$$4 - 3 = \underline{\quad}$$

$$6 - 3 = \underline{\quad}$$

$$7 - 4 = \underline{\quad}$$

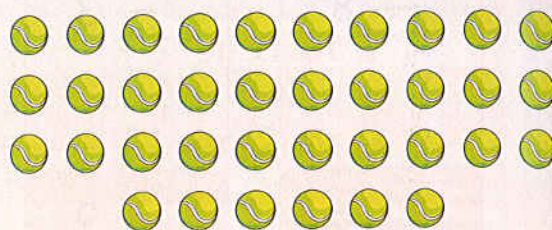
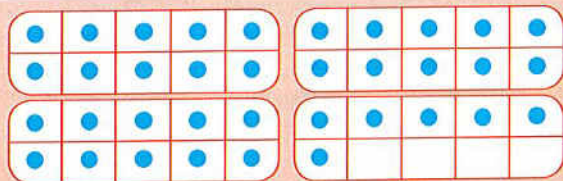
$$9 - 3 = \underline{\quad}$$

$$10 - 5 = \underline{\quad}$$

Place
a smiley
face

- Numbers from 36 to 40
- Subtracting within 10 using the number line

36 Thirty-six



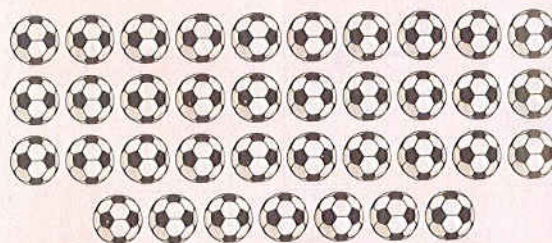
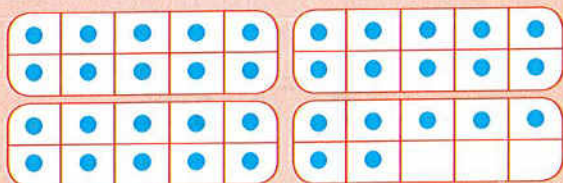
3 sets of ten and 6 extra ones



Trace and write.

36 36 36 36 36

37 Thirty-seven



3 sets of ten and 7 extra ones



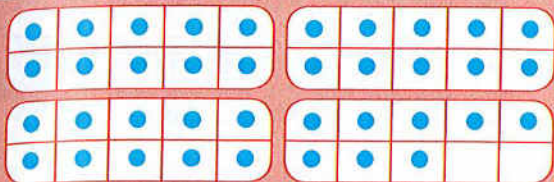
Trace and write.

37 37 37 37 37

- Ask your child to count in order from 20 to 37.

38

Thirty-eight



3 sets of ten and 8 extra ones

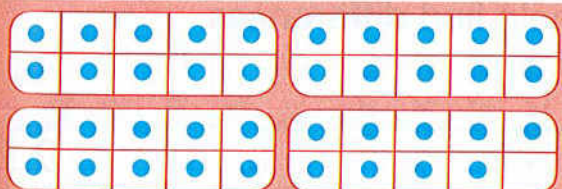


Trace and write.

38 38 38 38 38

39

Thirty-nine



3 sets of ten and 9 extra ones

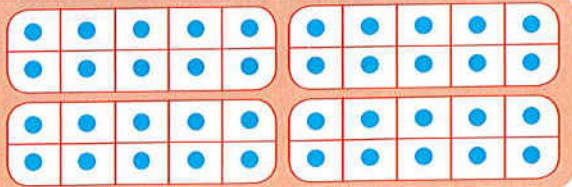


Trace and write.

39 39 39 39 39

• Ask your child to count from 30 to 39 by ones.

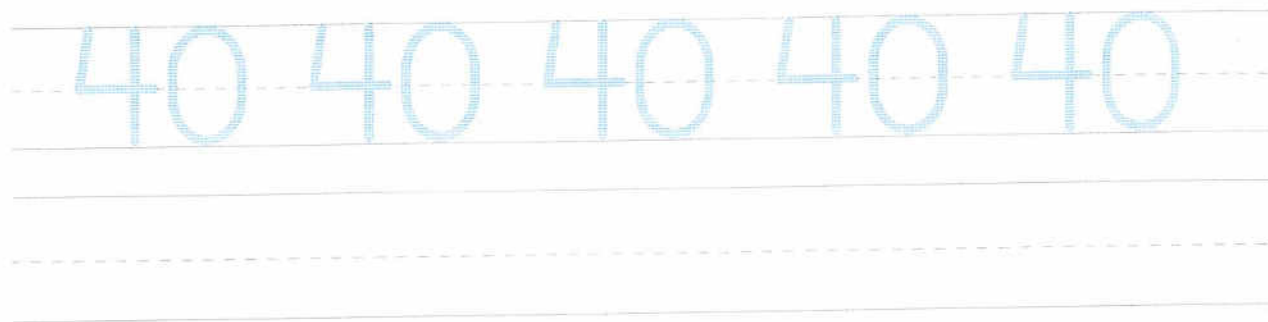
40 Forty



4 sets of ten



Trace and write.

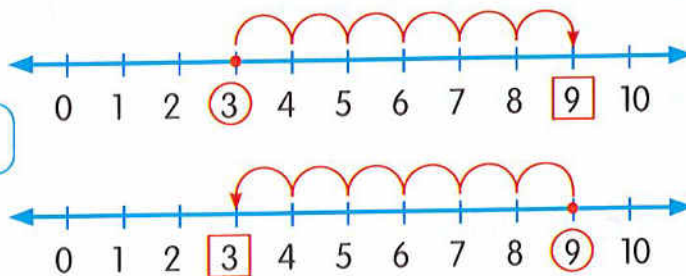


Subtracting within 10 using the number line

A number line can help find **differences**.



$$9 - 3 = 6$$



$$\begin{array}{r} 9 \\ - 3 \\ \hline 6 \end{array}$$

Kangaroo makes **6** jumps forward from 3 to 9

or makes **6** jumps backward from 9 to 3

Notes for parents

- Give your child 40 small objects and ask him/her to set them in 4 sets of 10 to show 40.
- Help your child to use a number line to find the difference between two numbers within 10.

Exercise 19

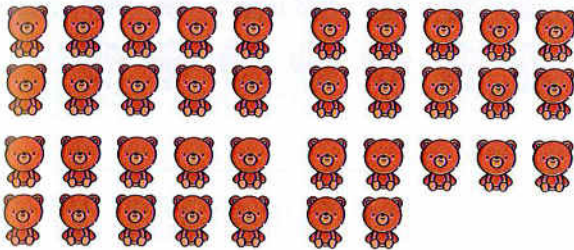
- Numbers from 36 to 40
- Subtracting within 10 using the number line

On Lessons 44 to 46

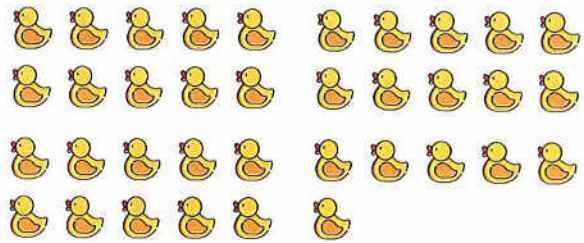
Numbers from 36 to 40



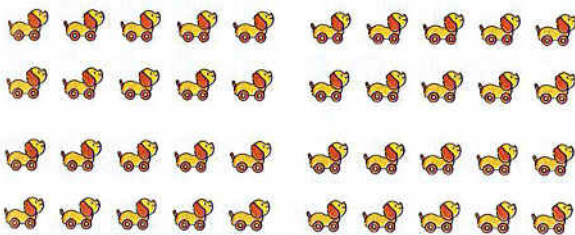
Circle the objects in groups of ten, then circle the correct number of all objects.



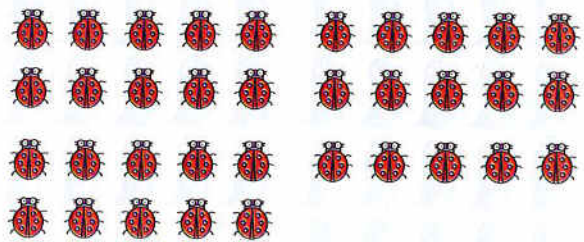
38 37 36



32 34 36



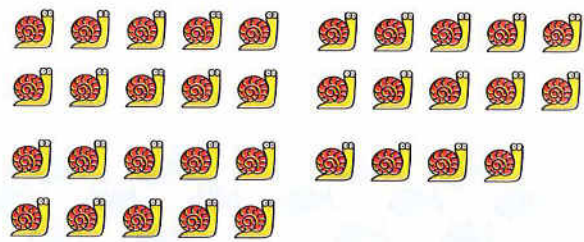
40 30 34



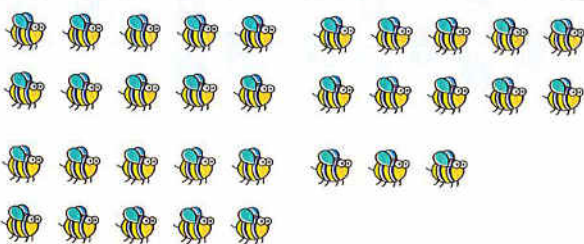
36 35 37



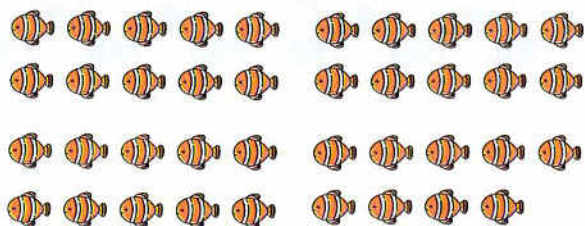
40 39 38



34 38 39



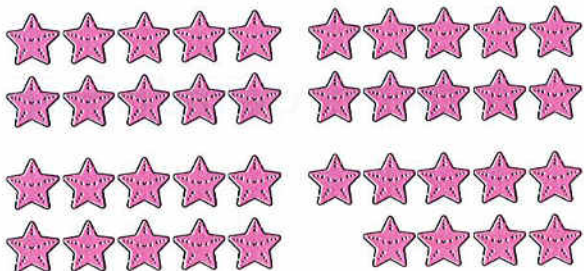
38 35 33

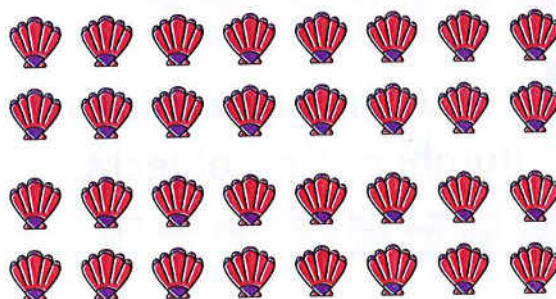


38 39 40

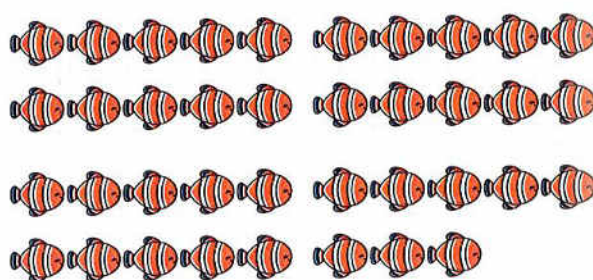


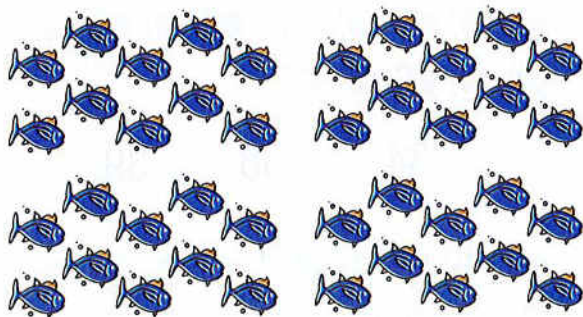
Circle the objects in groups of ten, then write how many are there in all.

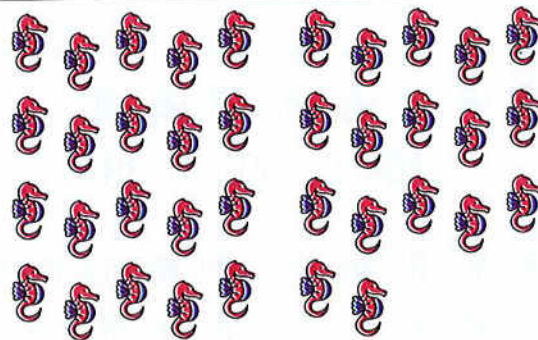














Complete using ($>$, $<$ or $=$).

• 35 ○ 31

• 36 ○ 39

• 29 ○ 37

• 19 ○ 20

• 36 ○ 29

• 19 ○ 40

• 25 ○ 32

• 14 ○ 41

• 38 ○ 40

• 9 ○ 10

• 18 ○ 28

• 37 ○ 28

• 35 ○ 27

• 0 ○ 1

• 30 ○ 40



Write the number that comes just before.

_____ 23

_____ 34

_____ 20

_____ 17

_____ 29

_____ 36

_____ 40

_____ 37

_____ 38



Write the number that comes just after.

15 _____

37 _____

9 _____

26 _____

13 _____

31 _____

36 _____

38 _____

39 _____



Write the numbers from the smallest to the greatest.

- 36 , 29 , 38 , 31 , 30
_____ , _____ , _____ , _____ , _____
- 39 , 32 , 40 , 37 , 33
_____ , _____ , _____ , _____ , _____
- 40 , 20 , 30 , 10 , 23
_____ , _____ , _____ , _____ , _____
- 35 , 37 , 34 , 36 , 28
_____ , _____ , _____ , _____ , _____



Write the numbers from the greatest to the smallest.

- 24 , 9 , 37 , 27 , 18
_____ , _____ , _____ , _____ , _____
- 37 , 39 , 36 , 40 , 38
_____ , _____ , _____ , _____ , _____
- 29 , 30 , 35 , 21 , 37
_____ , _____ , _____ , _____ , _____
- 33 , 22 , 20 , 39 , 26
_____ , _____ , _____ , _____ , _____



Complete the missing numbers.

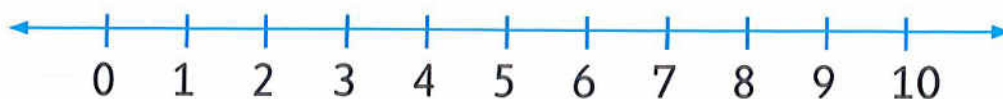
- 34 , 35 , _____ , 37 , _____ , _____ , _____
- 29 , _____ , _____ , 32 , _____ , 34 , 35 , _____
- 24 , _____ , 26 , 27 , _____ , _____ , _____
- _____ , 20 , 21 , _____ , _____ , 24 , _____



Subtracting within 10 using the number line



Find the differences. Use the number line if you need to.



$$8 - 3 = \underline{\quad}$$

$$7 - 2 = \underline{\quad}$$

$$9 - 5 = \underline{\quad}$$

$$10 - 4 = \underline{\quad}$$

$$9 - 1 = \underline{\quad}$$

$$7 - 5 = \underline{\quad}$$

$$6 - 0 = \underline{\quad}$$

$$8 - 4 = \underline{\quad}$$

$$10 - 9 = \underline{\quad}$$

6

$$\underline{6} - 4 = \underline{\quad}$$

8

$$\underline{8} - 2 = \underline{\quad}$$

5

$$\underline{5} - 5 = \underline{\quad}$$

4

$$\underline{4} - 2 = \underline{\quad}$$

7

$$\underline{7} - 6 = \underline{\quad}$$

10

$$\underline{10} - 3 = \underline{\quad}$$

7

$$\underline{7} - 4 = \underline{\quad}$$

9

$$\underline{9} - 7 = \underline{\quad}$$

8

$$\underline{8} - 6 = \underline{\quad}$$

8

$$\underline{8} - 7 = \underline{\quad}$$

3

$$\underline{3} - 3 = \underline{\quad}$$

8

$$\underline{8} - 1 = \underline{\quad}$$

4

$$\underline{4} - 3 = \underline{\quad}$$

10

$$\underline{10} - 5 = \underline{\quad}$$

10

$$\underline{10} - 8 = \underline{\quad}$$

6

$$\underline{6} - 1 = \underline{\quad}$$

5

$$\underline{5} - 4 = \underline{\quad}$$

9

$$\underline{9} - 4 = \underline{\quad}$$

9

$$\underline{9} - 8 = \underline{\quad}$$

7

$$\underline{7} - 0 = \underline{\quad}$$



Subtract.

$$7 - 2 = \underline{\quad}$$

$$8 - 7 = \underline{\quad}$$

$$6 - 2 = \underline{\quad}$$

$$9 - 5 = \underline{\quad}$$

$$10 - 4 = \underline{\quad}$$

$$4 - 4 = \underline{\quad}$$

$$2 - 1 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

$$10 - 2 = \underline{\quad}$$

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$



Write (✓) for the correct statement and (X) for the incorrect statement.

• $8 - 3 = 6$

()

• $10 - 1 = 9$

()

• $9 - 4 = 5$

()

• $4 - 2 = 2$

()

• $5 - 5 = 10$

()

• $7 - 2 = 5$

()

• $6 - 4 = 2$

()

• $9 - 7 = 3$

()



Find the difference between.
The first one is done for you.

2 and 5

$$\boxed{5} - \boxed{2} = \boxed{3}$$

7 and 3

$$\boxed{} - \boxed{} = \boxed{}$$

5 and 10

$$\boxed{} - \boxed{} = \boxed{}$$

2 and 6

$$\boxed{} - \boxed{} = \boxed{}$$

To find the difference, put the
greater number in the first
place.



1 and 9

$$\boxed{} - \boxed{} = \boxed{}$$

8 and 4

$$\boxed{} - \boxed{} = \boxed{}$$

4 and 0

$$\boxed{} - \boxed{} = \boxed{}$$



Find the results. Compare the results using ($>$, $<$ or $=$).

$$7 - 3 \bigcirc 7 + 3$$

$$2 + 4 \bigcirc 5 - 1$$

$$8 - 5 \bigcirc 0 + 3$$

$$6 - 2 \bigcirc 2 + 2$$

$$9 - 8 \bigcirc 5 - 5$$

$$10 - 4 \bigcirc 3 + 4$$

Place
a smiley
face

- The relation between addition and subtraction (Fact families)
- Subtraction word problems

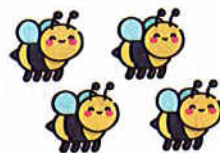
Fact families

$$6 + 4 = 10$$

$$4 + 6 = 10$$

$$10 - 4 = 6$$

$$10 - 6 = 4$$



Addition and subtraction are opposites. The addition and subtraction facts are related in a fact family. All the facts use the same three numbers.

More Examples

$$4 + 3 = 7$$

$$3 + 4 = 7$$

$$7 - 4 = 3$$

$$7 - 3 = 4$$

$$1 + 5 = 6$$

$$5 + 1 = 6$$

$$6 - 5 = 1$$

$$6 - 1 = 5$$

$$8 + 0 = 8$$

$$0 + 8 = 8$$

$$8 - 0 = 8$$

$$8 - 8 = 0$$

$$3 + 7 = 10$$

$$7 + 3 = 10$$

$$10 - 7 = 3$$



$$10 - 3 = 7$$



Notes for parents


- Ask your child to bring 10 small objects and a cup then hide some of these objects under the cup, then ask your child to calculate the number of hidden object by subtracting the number of left objects from 10.

Subtraction word problems

Mariam has 7 , she gives 3  to Salma.

How many  does Mariam have now ?



What
Mariam has = $\boxed{7} - \boxed{3} = \boxed{4}$ 

Example 1

Sherif is 8 years old. His brother Bassem is 4 years old.

Find the difference between their ages.


Solution



The difference = $\boxed{8} - \boxed{4} = \boxed{4}$ years.

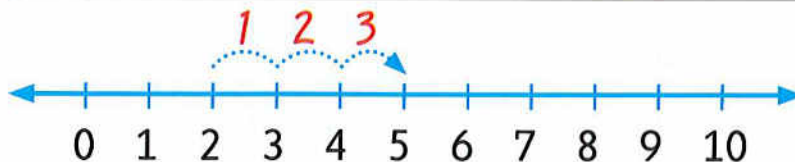


Example 2

There were 5  on a tree. 2 of them flew away.

How many  are left ?

Solution



The difference = $\boxed{5} - \boxed{2} = \boxed{3}$ 



- Tell a subtraction story for 9-1, then write the number to solve the subtraction problem.
- Ask your child to draw a number line from 0 to 10 to help him/her for solving subtraction problems.

Exercise 20

- The relation between addition and subtraction (Fact families)
- Subtraction word problems

On Lessons 47 & 48

Fact families



Write the result.

$2 + 6 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$8 - 2 = \underline{\quad}$

$4 + 2 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$6 - 4 = \underline{\quad}$

$6 - 2 = \underline{\quad}$

$3 + 6 = \underline{\quad}$

$6 + 3 = \underline{\quad}$

$9 - 3 = \underline{\quad}$

$9 - 6 = \underline{\quad}$

$9 + 1 = \underline{\quad}$

$1 + 9 = \underline{\quad}$

$10 - 1 = \underline{\quad}$

$10 - 9 = \underline{\quad}$

$5 + 2 = \underline{\quad}$

$2 + 5 = \underline{\quad}$

$7 - 5 = \underline{\quad}$

$7 - 2 = \underline{\quad}$

$1 + 2 = \underline{\quad}$

$2 + 1 = \underline{\quad}$

$3 - 2 = \underline{\quad}$

$3 - 1 = \underline{\quad}$

$7 + 2 = \underline{\quad}$

$2 + 7 = \underline{\quad}$

$9 - 7 = \underline{\quad}$

$9 - 2 = \underline{\quad}$

$8 + 1 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

$9 - 8 = \underline{\quad}$

$9 - 1 = \underline{\quad}$

$5 + 1 = \underline{\quad}$

$1 + 5 = \underline{\quad}$

$6 - 1 = \underline{\quad}$

$6 - 5 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

$3 + 4 = \underline{\quad}$

$7 - 3 = \underline{\quad}$

$7 - 4 = \underline{\quad}$

$6 + 1 = \underline{\quad}$

$1 + 6 = \underline{\quad}$

$7 - 1 = \underline{\quad}$

$7 - 6 = \underline{\quad}$

$7 + 3 = \underline{\quad}$

$3 + 7 = \underline{\quad}$

$10 - 3 = \underline{\quad}$

$10 - 7 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

$4 + 5 = \underline{\quad}$

$9 - 4 = \underline{\quad}$

$9 - 5 = \underline{\quad}$

$8 + 2 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$10 - 8 = \underline{\quad}$

$3 + 1 = \underline{\quad}$

$1 + 3 = \underline{\quad}$

$4 - 3 = \underline{\quad}$

$4 - 1 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$8 - 5 = \underline{\quad}$



Write a pair of addition and subtraction facts for each group of numbers. The first one is done for you.

4	1	5
<hr/>		
4	+	1 = 5
1	+	4 = 5
5	-	4 = 1
5	-	1 = 4

6	2	8
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

2	7	9
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

2	5	7
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

1	2	3
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

4	2	6
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

3	7	10
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

3	1	4
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

5	4	9
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

4	3	7
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

7	1	8
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___

8	2	10
<hr/>		
___	+	___ = ___
___	+	___ = ___
___	-	___ = ___
___	-	___ = ___



Complete.

$5 + 2 = 7$

$7 - 5 = \underline{\quad}$

$7 - 2 = \underline{\quad}$

$4 + 6 = \underline{\quad}$

$10 - 6 = \underline{\quad}$

$10 - 4 = \underline{\quad}$

$1 + 8 = \underline{\quad}$

$9 - 8 = \underline{\quad}$

$9 - 1 = \underline{\quad}$

$3 + 0 = \underline{\quad}$

$3 - 0 = \underline{\quad}$

$3 - 3 = \underline{\quad}$

$2 + 4 = \underline{\quad}$

$6 - 2 = \underline{\quad}$

$6 - 4 = \underline{\quad}$

$7 + 1 = \underline{\quad}$

$8 - 7 = \underline{\quad}$

$8 - 1 = \underline{\quad}$



Complete.

$3 + 2 = 5$

$5 - 3 = \underline{\quad}$

$5 + 3 = 8$

$8 - 5 = \underline{\quad}$

$1 + 3 = \underline{\quad}$

$4 - 3 = \underline{\quad}$

$1 + 2 = \underline{\quad}$

$3 - 2 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

$9 - 5 = \underline{\quad}$

$2 + 8 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$7 - 1 = \underline{\quad}$

$2 + 1 = \underline{\quad}$

$3 - 2 = \underline{\quad}$

$1 + 5 = \underline{\quad}$

$6 - 5 = \underline{\quad}$

$5 + 5 = \underline{\quad}$

$10 - 5 = \underline{\quad}$

Subtraction word problems



Solve each of the following problems.

There are **6** eggs on a shelf. **4** eggs of them fell off.
How many eggs were left ?

The left eggs = — = eggs.

Sameh has **10** balloons and his brother Ashraf has **6** balloons.

Find the difference between what they have.

The difference = — = balloons.

Martin has **9** books. Yahia has **3** books.

How many more books does Martin have than Yahia ?

The number of books = — = books.

Perry had **7** pies. She gave **2** pies to Andy.

How many pies does Perry have left ?

The left pies = — = pies.

Ahmed has **10** pounds. If he bought sweets for **3** pounds.
What is the remainder with him ?



The remainder = — = pounds.

There are **9** pupils in a school bus. **5** of them are boys.



What is the number of girls ?

The number of girls = — = girls.

8 cars were in the cars park. If **6** cars went away.

How many cars are there in the cars park now ?



The number of cars in the park now = — = cars.

John has **7** marbles. His friend Mark has **4** marbles.

How many more marbles does John have ?



What John has more than Mark = — = marbles.

Family

1

$1 + 0 = 1$

$1 + 1 = 2$

$1 + 2 = 3$

$1 + 3 = 4$

$1 + 4 = 5$

$1 + 5 = 6$

$1 + 6 = 7$

$1 + 7 = 8$

$1 + 8 = 9$

$1 + 9 = 10$

$1 + 10 = 11$



Family

2

$2 + 0 = 2$

$2 + 1 = 3$

$2 + 2 = 4$

$2 + 3 = 5$

$2 + 4 = 6$

$2 + 5 = 7$

$2 + 6 = 8$

$2 + 7 = 9$

$2 + 8 = 10$

$2 + 9 = 11$

$2 + 10 = 12$



Family

3

$3 + 0 = 3$

$3 + 1 = 4$

$3 + 2 = 5$

$3 + 3 = 6$

$3 + 4 = 7$

$3 + 5 = 8$

$3 + 6 = 9$

$3 + 7 = 10$

$3 + 8 = 11$

$3 + 9 = 12$

$3 + 10 = 13$



Family

4

$4 + 0 = 4$

$4 + 1 = 5$

$4 + 2 = 6$

$4 + 3 = 7$

$4 + 4 = 8$

$4 + 5 = 9$

$4 + 6 = 10$

$4 + 7 = 11$

$4 + 8 = 12$

$4 + 9 = 13$

$4 + 10 = 14$



Family

5

$5 + 0 = 5$

$5 + 1 = 6$

$5 + 2 = 7$

$5 + 3 = 8$

$5 + 4 = 9$

$5 + 5 = 10$

$5 + 6 = 11$

$5 + 7 = 12$

$5 + 8 = 13$

$5 + 9 = 14$

$5 + 10 = 15$



Notes for parents

- Practice your child find the pattern in addition fact families.

Family

6



$$\begin{aligned} 6 + 0 &= 6 \\ 6 + 1 &= 7 \\ 6 + 2 &= 8 \\ 6 + 3 &= 9 \\ 6 + 4 &= 10 \\ 6 + 5 &= 11 \\ 6 + 6 &= 12 \\ 6 + 7 &= 13 \\ 6 + 8 &= 14 \\ 6 + 9 &= 15 \\ 6 + 10 &= 16 \end{aligned}$$

Family

7



$$\begin{aligned} 7 + 0 &= 7 \\ 7 + 1 &= 8 \\ 7 + 2 &= 9 \\ 7 + 3 &= 10 \\ 7 + 4 &= 11 \\ 7 + 5 &= 12 \\ 7 + 6 &= 13 \\ 7 + 7 &= 14 \\ 7 + 8 &= 15 \\ 7 + 9 &= 16 \\ 7 + 10 &= 17 \end{aligned}$$

Family

8



$$\begin{aligned} 8 + 0 &= 8 \\ 8 + 1 &= 9 \\ 8 + 2 &= 10 \\ 8 + 3 &= 11 \\ 8 + 4 &= 12 \\ 8 + 5 &= 13 \\ 8 + 6 &= 14 \\ 8 + 7 &= 15 \\ 8 + 8 &= 16 \\ 8 + 9 &= 17 \\ 8 + 10 &= 18 \end{aligned}$$

Family

9



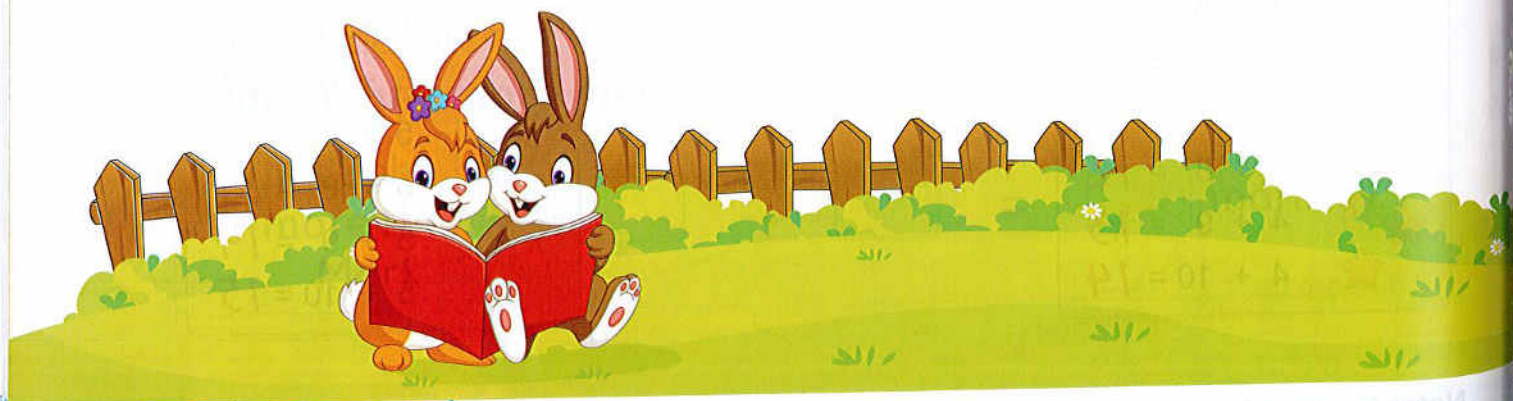
$$\begin{aligned} 9 + 0 &= 9 \\ 9 + 1 &= 10 \\ 9 + 2 &= 11 \\ 9 + 3 &= 12 \\ 9 + 4 &= 13 \\ 9 + 5 &= 14 \\ 9 + 6 &= 15 \\ 9 + 7 &= 16 \\ 9 + 8 &= 17 \\ 9 + 9 &= 18 \\ 9 + 10 &= 19 \end{aligned}$$

Family

10



$$\begin{aligned} 10 + 0 &= 10 \\ 10 + 1 &= 11 \\ 10 + 2 &= 12 \\ 10 + 3 &= 13 \\ 10 + 4 &= 14 \\ 10 + 5 &= 15 \\ 10 + 6 &= 16 \\ 10 + 7 &= 17 \\ 10 + 8 &= 18 \\ 10 + 9 &= 19 \\ 10 + 10 &= 20 \end{aligned}$$



Notes for parents

- Play with your child counting games, for example : say a number and let your child say the number that comes just after,... and so on.

Exercise 21

Addition fact family

On Lessons 49 & 50

1 Family

$1 + 0 = \underline{\quad}$	$1 + 1 = \underline{\quad}$
$1 + 2 = \underline{\quad}$	$1 + 3 = \underline{\quad}$
$1 + 4 = \underline{\quad}$	$1 + 5 = \underline{\quad}$
$1 + 6 = \underline{\quad}$	$1 + 7 = \underline{\quad}$
$1 + 8 = \underline{\quad}$	$1 + 9 = \underline{\quad}$
$1 + 10 = \underline{\quad}$	

2 Family

$2 + 0 = \underline{\quad}$	$2 + 1 = \underline{\quad}$
$2 + 2 = \underline{\quad}$	$2 + 3 = \underline{\quad}$
$2 + 4 = \underline{\quad}$	$2 + 5 = \underline{\quad}$
$2 + 6 = \underline{\quad}$	$2 + 7 = \underline{\quad}$
$2 + 8 = \underline{\quad}$	$2 + 9 = \underline{\quad}$
$2 + 10 = \underline{\quad}$	

3 Family

$3 + 0 = \underline{\quad}$	$3 + 1 = \underline{\quad}$
$3 + 2 = \underline{\quad}$	$3 + 3 = \underline{\quad}$
$3 + 4 = \underline{\quad}$	$3 + 5 = \underline{\quad}$
$3 + 6 = \underline{\quad}$	$3 + 7 = \underline{\quad}$
$3 + 8 = \underline{\quad}$	$3 + 9 = \underline{\quad}$
$3 + 10 = \underline{\quad}$	

4 Family

$4 + 0 = \underline{\quad}$	$4 + 1 = \underline{\quad}$
$4 + 2 = \underline{\quad}$	$4 + 3 = \underline{\quad}$
$4 + 4 = \underline{\quad}$	$4 + 5 = \underline{\quad}$
$4 + 6 = \underline{\quad}$	$4 + 7 = \underline{\quad}$
$4 + 8 = \underline{\quad}$	$4 + 9 = \underline{\quad}$
$4 + 10 = \underline{\quad}$	

5 Family

$5 + 0 = \underline{\quad}$	$5 + 1 = \underline{\quad}$
$5 + 2 = \underline{\quad}$	$5 + 3 = \underline{\quad}$
$5 + 4 = \underline{\quad}$	$5 + 5 = \underline{\quad}$
$5 + 6 = \underline{\quad}$	$5 + 7 = \underline{\quad}$
$5 + 8 = \underline{\quad}$	$5 + 9 = \underline{\quad}$
$5 + 10 = \underline{\quad}$	

6 Family

$6 + 0 = \underline{\quad}$	$6 + 1 = \underline{\quad}$
$6 + 2 = \underline{\quad}$	$6 + 3 = \underline{\quad}$
$6 + 4 = \underline{\quad}$	$6 + 5 = \underline{\quad}$
$6 + 6 = \underline{\quad}$	$6 + 7 = \underline{\quad}$
$6 + 8 = \underline{\quad}$	$6 + 9 = \underline{\quad}$
$6 + 10 = \underline{\quad}$	

7 Family

$7 + 0 = \underline{\quad}$	$7 + 1 = \underline{\quad}$
$7 + 2 = \underline{\quad}$	$7 + 3 = \underline{\quad}$
$7 + 4 = \underline{\quad}$	$7 + 5 = \underline{\quad}$
$7 + 6 = \underline{\quad}$	$7 + 7 = \underline{\quad}$
$7 + 8 = \underline{\quad}$	$7 + 9 = \underline{\quad}$
$7 + 10 = \underline{\quad}$	

8 Family

$8 + 0 = \underline{\quad}$	$8 + 1 = \underline{\quad}$
$8 + 2 = \underline{\quad}$	$8 + 3 = \underline{\quad}$
$8 + 4 = \underline{\quad}$	$8 + 5 = \underline{\quad}$
$8 + 6 = \underline{\quad}$	$8 + 7 = \underline{\quad}$
$8 + 8 = \underline{\quad}$	$8 + 9 = \underline{\quad}$
$8 + 10 = \underline{\quad}$	

9 Family

$9 + 0 = \underline{\quad}$	$9 + 1 = \underline{\quad}$
$9 + 2 = \underline{\quad}$	$9 + 3 = \underline{\quad}$
$9 + 4 = \underline{\quad}$	$9 + 5 = \underline{\quad}$
$9 + 6 = \underline{\quad}$	$9 + 7 = \underline{\quad}$
$9 + 8 = \underline{\quad}$	$9 + 9 = \underline{\quad}$
$9 + 10 = \underline{\quad}$	

10 Family

$10 + 0 = \underline{\quad}$	$10 + 1 = \underline{\quad}$
$10 + 2 = \underline{\quad}$	$10 + 3 = \underline{\quad}$
$10 + 4 = \underline{\quad}$	$10 + 5 = \underline{\quad}$
$10 + 6 = \underline{\quad}$	$10 + 7 = \underline{\quad}$
$10 + 8 = \underline{\quad}$	$10 + 9 = \underline{\quad}$
$10 + 10 = \underline{\quad}$	





Write the missing numbers in each pattern using the fact families.

2 3 5 8



10 12 15

7 8 11



9 11 12

14 15 18 20





Write the missing numbers using the fact families.

6, 7, 8, _____, _____, _____, _____

_____, 4, _____, 6, _____, _____, 9

5, 6, 7, _____, _____, _____, _____

12, _____, 14, 15, _____, _____, _____

_____, 11, 12, _____, _____, _____, 16

1, 2, _____, _____, _____, _____, 7

_____, _____, _____, 7, 8, _____, 10

_____, _____, 9, 10, _____, _____, _____

_____, _____, _____, _____, 7, 8, _____

_____, 13, 14, _____, _____, 17, _____

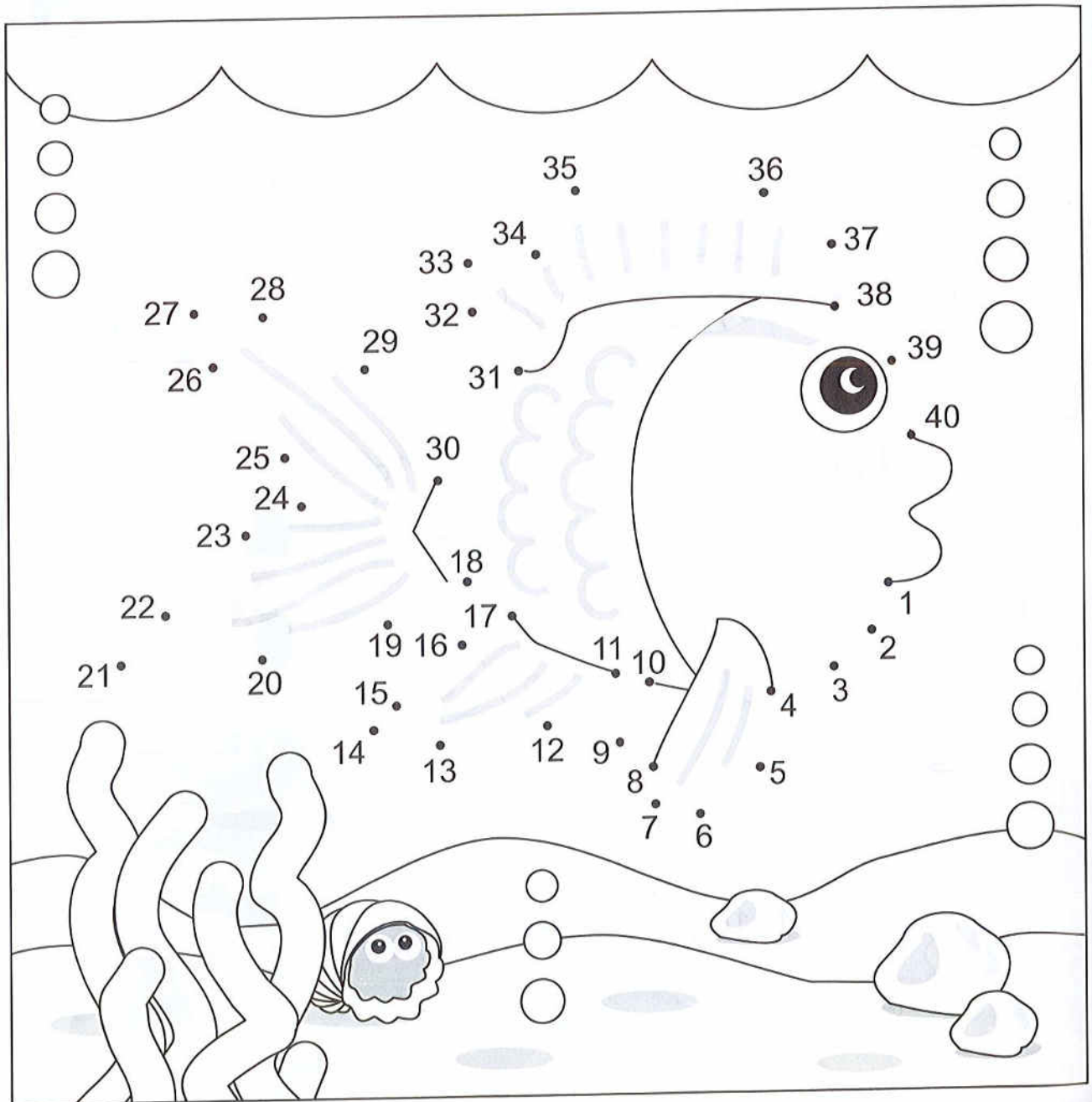


Place
a smiley
face



Connect numbers from 1 to 40.

What do you see ?





Find the result. Color the cloud that has a result greater than 4 in red and the cloud that has a result less than 5 in yellow.

$10 - 7$

$7 - 2$

$10 - 1$

$4 - 3$

$6 - 0$

$5 - 5$

$3 - 1$

$10 - 2$

$9 - 7$

$7 - 0$

$5 - 4$

$9 - 5$



CHAPTER

7



Outcomes and key vocabulary of chapter seven :

Lessons 51 & 52

Outcomes :

- Participate in calendar math activities.
- Analyze number patterns in the hundred chart.
- Count by ones up to 100.
- Apply strategies to add and subtract within 10.
- Tell time to the hour on an analog clock.
- Compare objects in a set to identify one that does not belong.

Key vocabulary :

- | | | | | |
|----------------|-----------|----------------|-------------------|--------|
| • Number chart | • Pattern | • Analog clock | • Hands | • Hour |
| • A.M. | • P.M. | • Belong | • Does not belong | |

Lessons 53 & 54

Outcomes :

- Participate in calendar math activities.
- Read and write numbers from 41 to 49.
- Read and write time to the hour on analog and digital clocks.

Key vocabulary :

- | | | | |
|----------------|-----------------|---------|--------|
| • Analog clock | • Digital clock | • Hands | • Hour |
|----------------|-----------------|---------|--------|

Lessons 55 & 56

Outcomes :

- Participate in calendar math activities.
- Read and write numbers from 50 to 69.
- Count by ones and tens up to 69.
- Solve subtraction problems to create fact families.

Key vocabulary :

- Fact family

Lessons 57 to 60

Outcomes :

- Participate in calendar math activities.
- Read and write numbers from 70 to 100.
- Solve addition problems within 20.
- Solve subtraction problems within 20.
- Describe strategies for solving challenging addition problems.

Key vocabulary :

- | | | | |
|-----------|----------------|--------------|--------------|
| • Add (+) | • Subtract (−) | • Equal sign | • Strategies |
|-----------|----------------|--------------|--------------|

- Add / Subtract within 10 using number chart
- Telling time "Analog clock"
- Belongs / Does not belong

Number chart up to 100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



- On the number chart up to 100 , try to discover many patterns.

For Example:

- The numbers that contain a 5 are : 5 , 15 , 25 , 35 , 45 , 50 , 51 , 52 , 53 , 54 , 55 , 56 , 57 , 58 , 59 , 65 , 75 , 85 , 95
- The numbers with two identical digits are : 11 , 22 , 33 , 44 , 55 , 66 , 77 , 88 , 99

Notes for parents

- Use the number chart to count and discover many patterns.

Add / Subtract within 10 using number chart

$$2 + 3$$

Start from 2

and make

3 forward

jumps, you will

reach 5

$$2 + 3 = 5$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$$10 - 4$$

Start from 10

and make

4 backward

jumps, you will

reach 6

$$10 - 4 = 6$$

More Examples

$$\bullet \quad 2 + 8 = 10$$

$$\bullet \quad 9 - 4 = 5$$

$$\bullet \quad 8 - 3 = 5$$

$$\bullet \quad 1 + 7 = 8$$

$$\bullet \quad 6 - 2 = 4$$

$$\bullet \quad 9 + 1 = 10$$

$$\bullet \quad 7 - 3 = 4$$

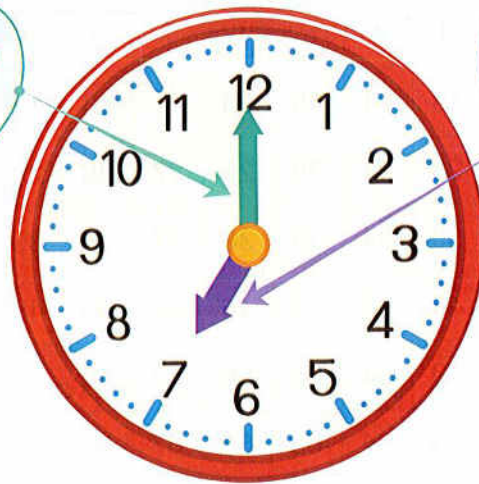
$$\bullet \quad 5 - 3 = 2$$

• Ask your child to tell you the sum and the difference between two numbers using the number chart.

Telling time "Analog clock"

The long hand is the minute hand

The short hand is the hour hand



7 O'CLOCK



- When the minute hand points to the 12 , we say o'clock.
- The hour hand is pointing to the 7.
It is 7 o'clock
- The day is 24 hours.
- If it is in the morning, we say that 7 A.M.
- If it is in the afternoon, we say that 7 P.M.



Notes for parents

- Ask your child to read a clock to the hour, several times through out the day.

Belongs / Does not belong

Fruits



More Examples

Wild animals



Pets



Flowers



- Make groups of object that are alike in someway, such as kitchen tools include an object that does not belong.
- Ask your child to tell what does not belong and explain why.

Exercise 22

- Add / Subtract within 10 using number chart
- Telling time "Analog clock"
- Belongs / Does not belong

On Lessons 51 & 52



Use the number chart up to 100 to answer.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- Color all numbers that contain a 7
- Circle all numbers with two identical digits
(Example : 55)
- Shade all numbers that contain a 0
- Underline the numbers with a first digit that is less than the second digit (Examples : 12 , 37)



Adding / Subtracting within 10 using number chart



Use the number chart to choose the correct answer.

$5 + 1 = \underline{\quad}$

4 5 6

$10 - 3 = \underline{\quad}$

4 5 7 8

$8 - 4 = \underline{\quad}$

4 5 12

$5 - 2 = \underline{\quad}$

2 3 4

$4 + 1 = \underline{\quad}$

4 5 3

$9 - 5 = \underline{\quad}$

4 5 6

$3 + 2 = \underline{\quad}$

1 4 5

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Use the number chart to find the results.

$2 + 7 = \underline{\quad}$

$9 - 3 = \underline{\quad}$

$10 - 2 = \underline{\quad}$

$4 + 3 = \underline{\quad}$

$6 - 5 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$6 + 4 = \underline{\quad}$

$4 - 2 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$7 - 3 = \underline{\quad}$

$1 + 6 = \underline{\quad}$

$5 + 4 = \underline{\quad}$

Telling time " Analog clock "



Write the times below the clocks.



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



_____ o'clock



Draw the two hands of the clock.



8 o'clock



3 o'clock



10 o'clock



5 o'clock



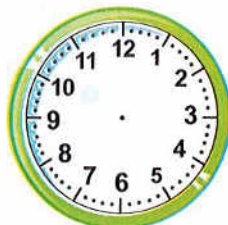
1 o'clock



4 o'clock



12 o'clock



2 o'clock



6 o'clock



7 o'clock



9 o'clock



11 o'clock



Write the number that tells the time of each activity.



I get up at ____ o'clock.



I go to school at ____ o'clock.



In the classroom at ____ o'clock.



I go back home at ____ o'clock.



Studying at home at ____ o'clock.



I have dinner at ____ o'clock.



Reading a bedtime story at ____ o'clock.



I go to bed at ____ o'clock.

Belongs / Does not belong



Cross out (X) the picture that does **not belong** in each row.



Place
a smiley
face

- Numbers from 41 to 49
- Digital clock and analog clock

Numbers from 41 to 49

41

Forty-one

42

Forty-two

43

Forty-three

44

Forty-four

45

Forty-five

46

Forty-six

47

Forty-seven

48

Forty-eight

49

Forty-nine



Write the numbers from 41 to 49.

Digital clock and analog clock

Digital clock



4 o'clock

4:00

Analog clock



Both clocks show the same time.

Notes for parents

- Ask your child to practice counting and writing numbers from 41 to 49.
- Practice your child read digital and analog clocks to the hour.

Exercise 23

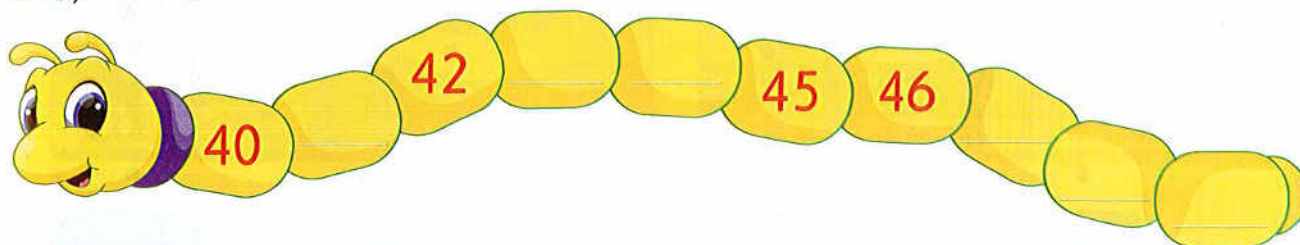
- Numbers from 41 to 49
- Digital clock and analog clock

On Lessons 53 & 54

Numbers from 41 to 49



Complete.



Arrange in an ascending order.

- 47 , 27 , 37 , 49 , 41

The order is _____ , _____ , _____ , _____ , _____

- 29 , 48 , 39 , 43 , 40

The order is _____ , _____ , _____ , _____ , _____

- 36 , 43 , 34 , 25 , 46

The order is _____ , _____ , _____ , _____ , _____



Arrange in a descending order.

- 17 , 27 , 48 , 42 , 45

The order is _____ , _____ , _____ , _____ , _____

- 23 , 32 , 41 , 38 , 29

The order is _____ , _____ , _____ , _____ , _____

- 27 , 45 , 46 , 35 , 30

The order is _____ , _____ , _____ , _____ , _____

Digital clock and analog clock



Match the clocks that show the same time.



Draw the hour hand on the clock faces.
Write the time on the digital clocks.

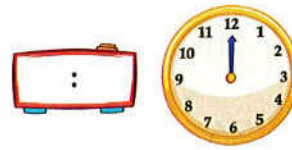
2 o'clock



11 o'clock



8 o'clock



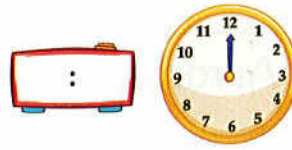
6 o'clock



4 o'clock



12 o'clock



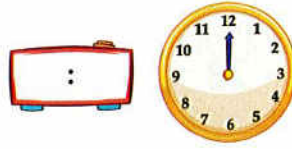
1 o'clock



7 o'clock



5 o'clock



3 o'clock



10 o'clock



9 o'clock





Ring the suitable time for each activity.

Waking up



01:00

06:00

11:00

Going to school



02:00

05:00

07:00

Doing homework



01:00

05:00

11:00

Brushing teeth before sleeping



03:00

12:00

09:00



Circle the clock that shows the same time.





Choose the time you would do each thing.
Then color the times that match in the same color.

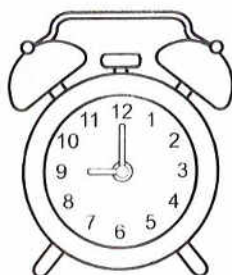
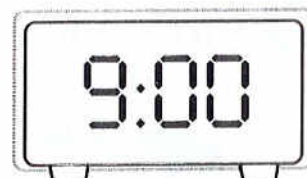
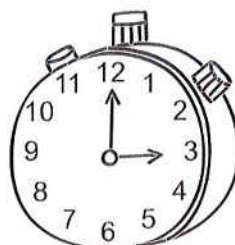
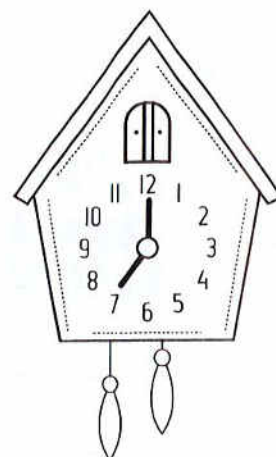
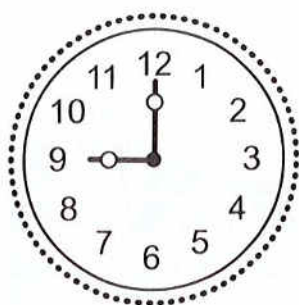
Go to sleep



Have lunch



Go to school



Place
a smiley
face

Lessons

55 & 56

- Numbers from 50 to 69
- Using subtraction to create fact families

Numbers from 50 to 59

50

Fifty

51

Fifty-one

52

Fifty-two

53

Fifty-three

54

Fifty-four

55

Fifty-five

56

Fifty-six

57

Fifty-seven

58

Fifty-eight

59

Fifty-nine



Write the numbers from 50 to 59.

Handwriting practice lines for writing the numbers from 50 to 59.

Notes for parents

- Ask your child to name count numbers in order from 50 to 59.

Numbers from 60 to 69

60

Sixty

61

Sixty-one

62

Sixty-two

63

Sixty-three

64

Sixty-four

65

Sixty-five

66

Sixty-six

67

Sixty-seven

68

Sixty-eight

69

Sixty-nine



Write the numbers from 60 to 69.

Handwriting practice lines for writing the numbers 60 to 69.

Notes for parents

- Ask your child to write numbers in large unshaded font, then color them.

Using subtraction to create fact families

Family

1

1 - 0 = 1
1 - 1 = 0

★

Family

2

2 - 0 = 2
2 - 1 = 1
2 - 2 = 0

★ ★

Family

3

3 - 0 = 3
3 - 1 = 2
3 - 2 = 1
3 - 3 = 0

★ ★ ★

Family

4

4 - 0 = 4
4 - 1 = 3
4 - 2 = 2
4 - 3 = 1
4 - 4 = 0

★ ★ ★ ★

Family

5

5 - 0 = 5
5 - 1 = 4
5 - 2 = 3
5 - 3 = 2
5 - 4 = 1
5 - 5 = 0

★ ★ ★ ★ ★

Family

6

6 - 0 = 6
6 - 1 = 5
6 - 2 = 4
6 - 3 = 3
6 - 4 = 2
6 - 5 = 1
6 - 6 = 0

★ ★ ★ ★ ★ ★

Family

7

7 - 0 = 7
7 - 1 = 6
7 - 2 = 5
7 - 3 = 4
7 - 4 = 3
7 - 5 = 2
7 - 6 = 1
7 - 7 = 0

★ ★ ★ ★ ★ ★ ★

Family

8

8 - 0 = 8
8 - 1 = 7
8 - 2 = 6
8 - 3 = 5
8 - 4 = 4
8 - 5 = 3
8 - 6 = 2
8 - 7 = 1
8 - 8 = 0

★ ★ ★ ★ ★ ★ ★ ★

Family

9

9 - 0 = 9
9 - 1 = 8
9 - 2 = 7
9 - 3 = 6
9 - 4 = 5
9 - 5 = 4
9 - 6 = 3
9 - 7 = 2
9 - 8 = 1
9 - 9 = 0

★ ★ ★ ★ ★ ★ ★ ★ ★

Family

10

10 - 0 = 10
10 - 1 = 9
10 - 2 = 8
10 - 3 = 7
10 - 4 = 6
10 - 5 = 5

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

10 - 6 = 4
10 - 7 = 3
10 - 8 = 2
10 - 9 = 1
10 - 10 = 0



Exercise 24

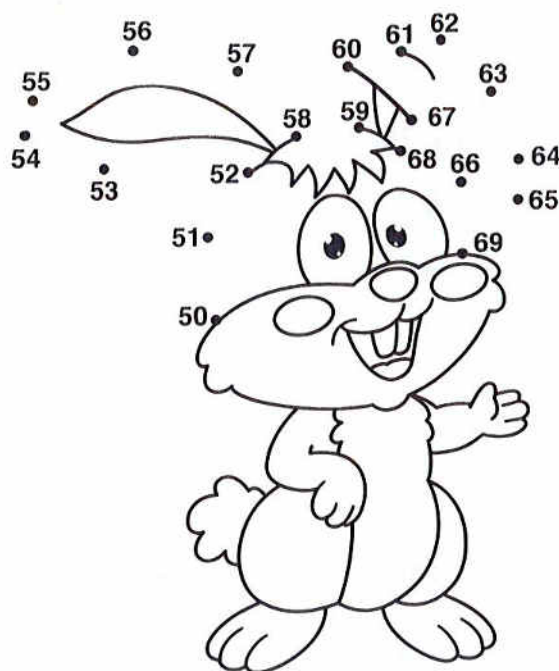
- Numbers from 50 to 69
- Using subtraction to create fact families

On Lessons 55 & 56

Numbers up to 69



Join the numbers in order. Color the picture.



What do you see?

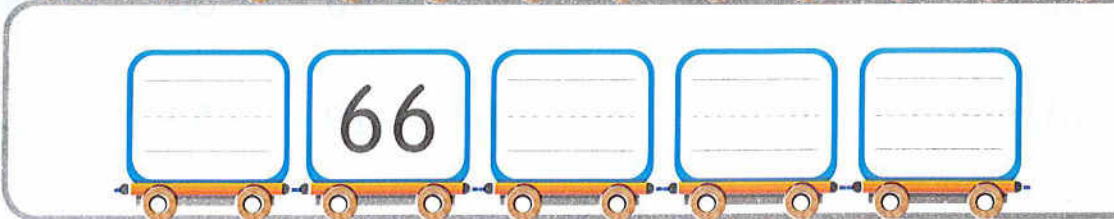
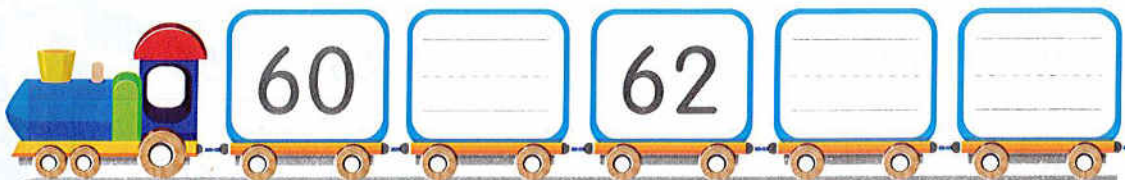
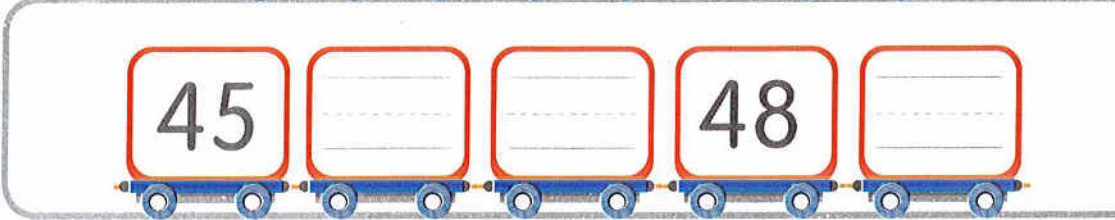
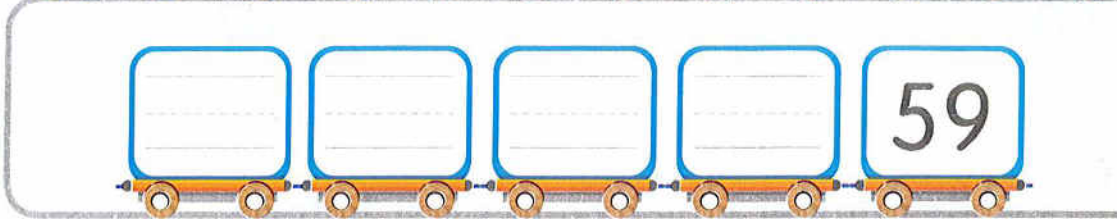


Complete the missing numbers.

0	1			4				8	
	11					16			19
20					25				
							37		39
40		42							
				54		56			
60		62							69



Complete the missing numbers.





Write the number which comes just after.

54

61

59

66

52

67



Write the number which comes just before.

59

64

51

69

63

58



Put the suitable sign ($>$, $=$ or $<$).

60 \bigcirc 59

58 \bigcirc 58

61 \bigcirc 57

65 \bigcirc 56

67 \bigcirc 49

63 \bigcirc 51

66 \bigcirc 55

50 \bigcirc 60

19 \bigcirc 52

64 \bigcirc 64

53 \bigcirc 62

69 \bigcirc 59



Using subtraction to create fact families



Subtract to create fact families.

1 Family

$$1 - 0 = \underline{\quad} \quad | \quad 1 - 1 = \underline{\quad}$$

2 Family

$$\begin{array}{l} 2 - 0 = \underline{\quad} \quad | \quad 2 - 1 = \underline{\quad} \\ 2 - 2 = \underline{\quad} \end{array}$$

3 Family

$$\begin{array}{l} 3 - 0 = \underline{\quad} \quad | \quad 3 - 1 = \underline{\quad} \\ 3 - 2 = \underline{\quad} \quad | \quad 3 - 3 = \underline{\quad} \end{array}$$

4 Family

$$\begin{array}{l} 4 - 0 = \underline{\quad} \quad | \quad 4 - 1 = \underline{\quad} \\ 4 - 2 = \underline{\quad} \quad | \quad 4 - 3 = \underline{\quad} \\ 4 - 4 = \underline{\quad} \end{array}$$

5 Family

$$\begin{array}{l} 5 - 0 = \underline{\quad} \quad | \quad 5 - 1 = \underline{\quad} \\ 5 - 2 = \underline{\quad} \quad | \quad 5 - 3 = \underline{\quad} \\ 5 - 4 = \underline{\quad} \quad | \quad 5 - 5 = \underline{\quad} \end{array}$$

6 Family

$$\begin{array}{l} 6 - 0 = \underline{\quad} \quad | \quad 6 - 1 = \underline{\quad} \\ 6 - 2 = \underline{\quad} \quad | \quad 6 - 3 = \underline{\quad} \\ 6 - 4 = \underline{\quad} \quad | \quad 6 - 5 = \underline{\quad} \\ 6 - 6 = \underline{\quad} \end{array}$$

7 Family

$$\begin{array}{l} 7 - 0 = \underline{\quad} \quad | \quad 7 - 1 = \underline{\quad} \\ 7 - 2 = \underline{\quad} \quad | \quad 7 - 3 = \underline{\quad} \\ 7 - 4 = \underline{\quad} \quad | \quad 7 - 5 = \underline{\quad} \\ 7 - 6 = \underline{\quad} \quad | \quad 7 - 7 = \underline{\quad} \end{array}$$

8 Family

$$\begin{array}{l} 8 - 0 = \underline{\quad} \quad | \quad 8 - 1 = \underline{\quad} \\ 8 - 2 = \underline{\quad} \quad | \quad 8 - 3 = \underline{\quad} \\ 8 - 4 = \underline{\quad} \quad | \quad 8 - 5 = \underline{\quad} \\ 8 - 6 = \underline{\quad} \quad | \quad 8 - 7 = \underline{\quad} \\ 8 - 8 = \underline{\quad} \end{array}$$

9 Family

$$\begin{array}{l} 9 - 0 = \underline{\quad} \quad | \quad 9 - 1 = \underline{\quad} \\ 9 - 2 = \underline{\quad} \quad | \quad 9 - 3 = \underline{\quad} \\ 9 - 4 = \underline{\quad} \quad | \quad 9 - 5 = \underline{\quad} \\ 9 - 6 = \underline{\quad} \quad | \quad 9 - 7 = \underline{\quad} \\ 9 - 8 = \underline{\quad} \quad | \quad 9 - 9 = \underline{\quad} \end{array}$$

10 Family

$$\begin{array}{l} 10 - 0 = \underline{\quad} \quad | \quad 10 - 1 = \underline{\quad} \\ 10 - 2 = \underline{\quad} \quad | \quad 10 - 3 = \underline{\quad} \\ 10 - 4 = \underline{\quad} \quad | \quad 10 - 5 = \underline{\quad} \\ 10 - 6 = \underline{\quad} \quad | \quad 10 - 7 = \underline{\quad} \\ 10 - 8 = \underline{\quad} \quad | \quad 10 - 9 = \underline{\quad} \\ 10 - 10 = \underline{\quad} \end{array}$$





Subtract.

$$\begin{array}{r} 8 \\ - 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 6 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - 1 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 5 \\ \hline \\ \hline \end{array}$$

$$10 - 2 = \underline{\hspace{2cm}}$$

$$6 - 4 = \underline{\hspace{2cm}}$$

$$9 - 3 = \underline{\hspace{2cm}}$$

$$8 - 6 = \underline{\hspace{2cm}}$$

$$8 - 7 = \underline{\hspace{2cm}}$$

$$7 - 3 = \underline{\hspace{2cm}}$$

$$6 - 6 = \underline{\hspace{2cm}}$$

$$6 - 0 = \underline{\hspace{2cm}}$$



Complete the missing numbers in each table.

8	-	3	=	
+		-		+
	+		=	2
=		=		=
9	-		=	

7	+		=	10
-		+		-
2	-		=	
=		=		=
	+	4	=	



Put (+) or (-).



$3 \square 2 = 5$

$2 \square 6 = 8$

$10 \square 8 = 2$

$8 \square 2 = 6$

$5 \square 4 = 9$

$7 \square 3 = 4$

$9 \square 4 = 5$

$10 \square 3 = 7$

$5 \square 5 = 10$

$3 \square 3 = 0$

$9 \square 1 = 10$

$7 \square 5 = 2$

$6 \square 3 = 3$

$6 \square 4 = 10$

$5 \square 2 = 7$

$5 \square 3 = 8$

$2 \square 7 = 9$

$0 \square 1 = 1$

Place
a smiley
face

- Numbers from 70 to 100
- Add / Subtract within 20

Numbers from 70 to 79

70

Seventy

71

Seventy-one

72

Seventy-two

73

Seventy-three

74

Seventy-four

75

Seventy-five

76

Seventy-six

77

Seventy-seven

78

Seventy-eight

79

Seventy-nine



Write the numbers from 70 to 79.

Notes for parents

- Give your child some objects (cubes-candies-beans...) their number from 70 to 100 and ask him/her to count them and write the number.

Numbers from 80 to 89

80

Eighty

81

Eighty-one

82

Eighty-two

83

Eighty-three

84

Eighty-four

85

Eighty-five

86

Eighty-six

87

Eighty-seven

88

Eighty-eight

89

Eighty-nine



Write the numbers from 80 to 89.

- Ask your child to count from 70 up to 89 and write the numbers in order.

Numbers from 90 to 100

90

Ninety

91

Ninety-one

92

Ninety-two

93

Ninety-three

94

Ninety-four

95

Ninety-five

96

Ninety-six

97

Ninety-seven

98

Ninety-eight

99

Ninety-nine

100

One hundred



Write the numbers from 90 to 100.

Handwriting practice lines for writing the numbers from 90 to 100.

Notes for parents

- Ask your child to write numbers from 70 to 100 in a blank paper.

Add / Subtract within 20

$$11 + 5$$

Start from 11
and make
5 forward
jumps, you will
reach 16

$$11 + 5 = 16$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

$$20 - 2$$

Start from 20
and make
2 backward
jumps, you will
reach 18

$$20 - 2 = 18$$

More Examples

$$13 + 4 = 17$$

$$18 - 8 = 10$$

$$19 - 4 = 15$$

$$8 + 8 = 16$$

$$12 - 4 = 8$$

$$8 + 11 = 19$$

$$12 + 7 = 19$$

$$13 - 6 = 7$$

$$20 - 10 = 10$$

$$15 + 3 = 18$$

$$20 - 5 = 15$$

$$6 + 14 = 20$$

- Ask your child to tell you the sum and the difference between two numbers using the number chart.

Exercise 25

- Numbers from 70 to 100
- Add / Subtract within 20

On Lessons 57 to 60

Numbers up to 100

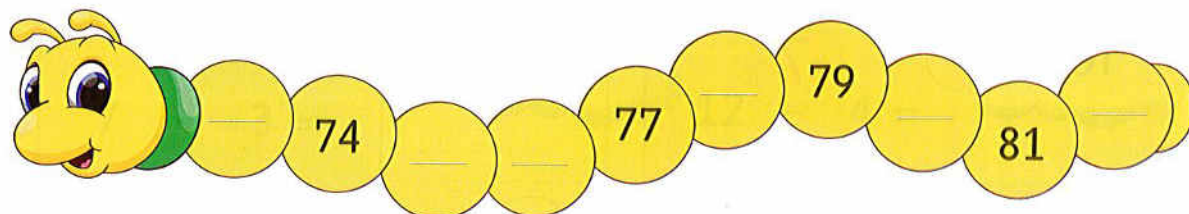
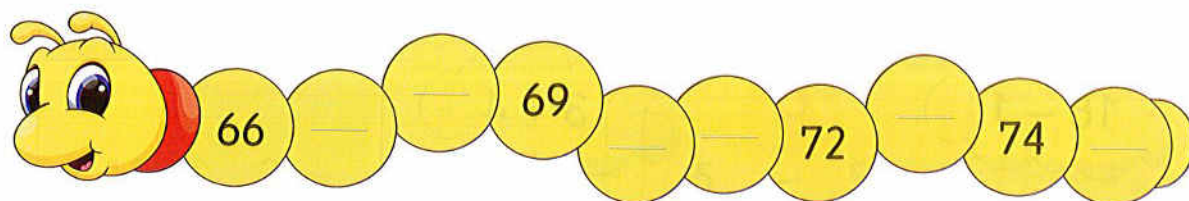
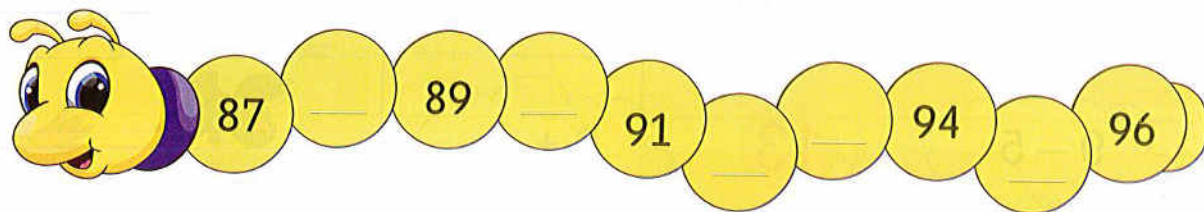


Complete the missing numbers.

1	2						8		10
11						17		19	20
21				25			28		
31					36				40
		43				47			
51			54	55				59	
	62				66	67			
71		73					78		80
				85				89	
	92				96				100



Write the missing numbers.



Choose the correct answer.

- 95 comes just after _____ (92 or 94 or 96)
- 99 comes just before _____ (89 or 98 or 100)
- 89 98 (> or = or <)
- 100 97 (> or = or <)
- _____ comes just before 100 (99 or 98 or 97)
- _____ comes just after 79 (78 or 80 or 81)
- 78 _____ (88 or 68 or 98)
- 93 _____ (89 or 76 or 94)



Add / Subtract within 20



Join the equal results.

$9 - 5$

13

$6 + 1$

$18 - 1$

9

$13 + 4$

$16 - 3$

7

$3 + 16$

$20 - 15$

5

$4 + 0$

$11 - 2$

17

$7 + 4$

$10 - 3$

4

$8 + 5$

$17 - 6$

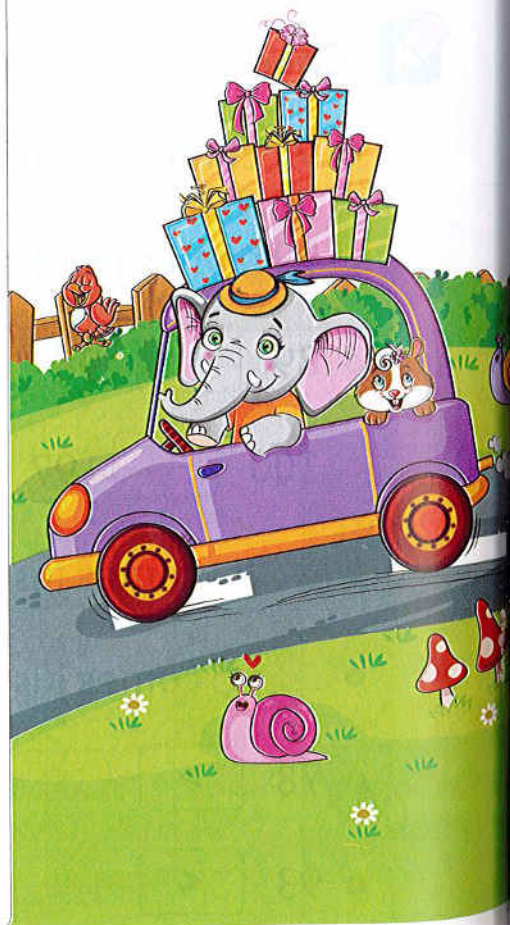
19

$5 + 4$

$20 - 1$

11

$3 + 2$





Use the number chart to find the result.

$5 + 7 =$

$13 - 5 =$

$19 + 1 =$

$16 - 6 =$

$18 + 2 =$

$5 - 5 =$

$7 + 3 =$

$12 - 4 =$

$11 + 2 =$

$11 - 10 =$

$7 + 11 =$

$17 - 5 =$

$12 + 3 =$

$20 - 7 =$

$10 + 10 =$

$14 - 3 =$

$9 + 5 =$

$20 - 4 =$

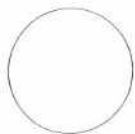
$10 + 7 =$

$15 - 8 =$



Add or subtract, then complete using ($<$, $>$ or $=$).

$13 + 2$



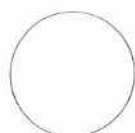
$19 - 4$

$18 - 11$



$3 + 5$

$10 + 4$



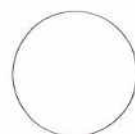
$20 - 7$

$15 - 8$



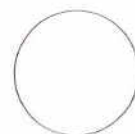
$12 + 5$

$9 + 5$



$13 - 8$

$19 - 3$



$7 + 11$





Freddy the frog will only hop to lily pads that equal the number 10. Can you find his path from start to finish?

Leap Frog



START

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} -10 \\ + 0 \\ \hline \end{array}$$

FINISH

Place
a smiley
face



Art corner Chapter 7

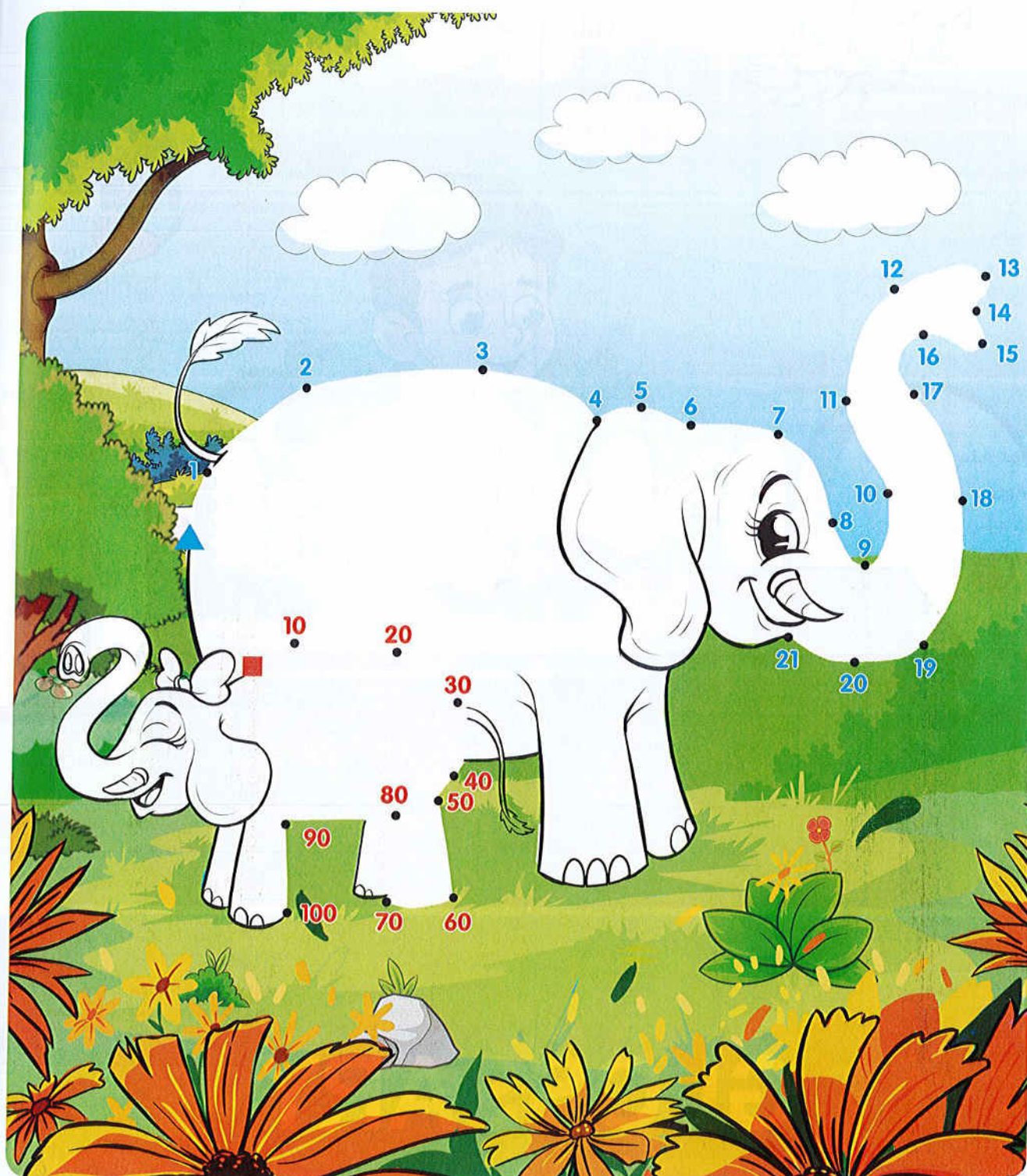


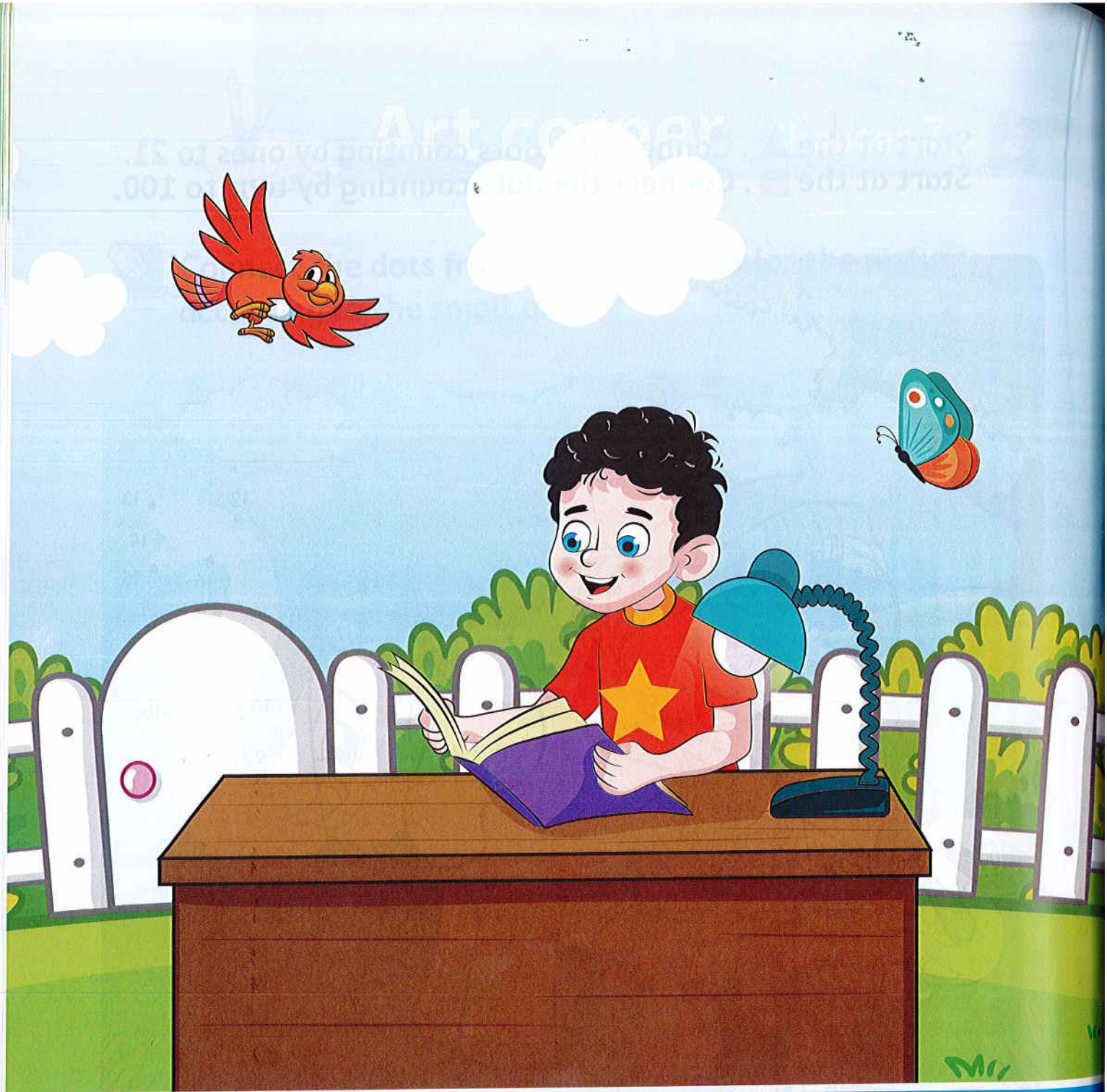
Connect the dots from 1 to 70, then color the picture according to the small one.





Start at the ▲ . Connect the dots counting by ones to 21.
Start at the ■ . Connect the dots counting by tens to 100.





GLOSSARY

A

A.M.	صباحًا
according to	حسب / طبقًا لـ
activity	نشاط
add	يجمع
addition	الجمع
afternoon	بعد الظهر
after	بعد
amount	مقدار
analog clock	الساعة ذات العقارب
answer	يجيب / إجابة
arrange	يرتب
ascending	تصاعدي

B

backward	للخلف
bar	عمود
bar graph	تمثيل بياني بالأعمدة
before	قبل
belong to	ينتمي إلى
below	أسفل
breakfast	الإفطار

C

calendar	تقويم
chart	مخطط
choice	اختيار
choose	يختار
circle	دائرة / يضع دائرة حول
classification	التصنيف
classify	يصنف
clock	منبه
collect	يجمع
color	يلون / لون
come	يأتي
compare	يقارن
comparing	مقارنة
complete	يكمل
components	مكونات
correct	صحيح
count	يعد
counting	العد

create
cross out

ينشئ
يحذف

D

data	بيانات
day	يوم
descending	تنازلي
difference	الفرق
different	مختلف
digit	رقم
digital clock	الساعة الرقمية
dinner	العشاء
discover	يكشف
dot	نقطة
draw	يرسم

E

eight	ثمانية
eighteen	ثمانية عشر
eighty	ثمانون
eleven	أحد عشر
equal to	يساوي / مساوٍ لـ
example	مثال
extra	إضافي

F

fact family	مجموعة الحقائق
fifteen	خمسة عشر
fifty	خمسون
find	يوجد
five	خمسة
forty	أربعون
forward	للأمام
four	أربعة
fourteen	أربعة عشر
frame	إطار
from	من

G

graph	الرسم البياني
greater	أكبر
greatest	الأكبر
group	مجموعة

H
hour ساعة
hour hand عقرب الساعات
hundred مائة

I
item شيء

J
join يوصل
jump يقفز

L
large كبير
lead يقود إلى
least الأقل
left باقى
less أقل
long طويل
lunch الغداء

M
make يكوّن / يجعل
match يوصل
maze متاهة
medium متوسط
minus ناقص
minute hand عقرب الدقائق
missing مفقود / ناقص
month شهر
more أكثر
morning الصباح
most الأكثر / معظم

N
nine تسعة
nineteen تسعة عشر
ninety تسعون
number عدد
number line خط الأعداد

O
one واحد

يرتب
ترتيب

P
P.M. مساءً
pair زوج
pattern نمط
pick يلتقط
picture graph تمثيل بياني مصور
plot يضع
plus زائد
point يشير إلى / نقطة
practice تدريب
problem مشكلة / مسألة
put يضع

R
raise يرفع
raised مرفوع
reach يصل إلى
represent يمثل / يعرض
ring يحوّل
row صف

S
same مماثل
scan يمسح
schedule جدول
seven سبعة
seventeen سبعة عشر
seventy سبعون
shape شكل
short قصير
six ستة
sixteen ستة عشر
sixty ستون
size مقاس
skip counting تجاوز العدد
small صغير
solve يحل
space فراغ
square مربع
start يبدأ

strategy
subtract
subtraction
suitable
sum
symbol

T

table
telling time
ten
thirteen
thirty
three
today
together
tomorrow
to
trace
triangle
try
twelve
twenty
two

استراتيجية
يطرح
الطرح
مناسب
مجموع
رمز

جدول
قراءة الوقت
عشرة
ثلاثة عشرة
ثلاثون
ثلاثة
اليوم
معا
غدا
إلى
يتتبع
مثلث
يحاول
اثني عشر
عشرون
اثنان

U

use

يستخدم

W

wake up
within
write

يستيقظ
حتى
يكتب

Y

yesterday

أمس

Z

zero

الصففر